



## COUNTY BOROUGH OF BURNLEY.

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# Report of the Medical Officer of Health on the Public Health and Sanitary Administration for the Year 1942.

D. C. LAMONT, M.B., Ch.B., D.P.H.,  
MEDICAL OFFICER OF HEALTH.  
SCHOOL MEDICAL OFFICER.  
ADMINISTRATIVE TUBERCULOSIS OFFICER.  
MEDICAL SUPERINTENDENT,  
CORPORATION HOSPITALS.  
MEDICAL SUPERINTENDENT,  
BURNLEY JOINT HOSPITAL BOARD.





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## PUBLIC HEALTH, MATERNITY AND CHILD WELFARE COMMITTEE.

<sup>o</sup>+\*MRS. COUNCILLOR CLITHEROE, J.P. (Chairman).

<sup>o</sup>+\*MRS. COUNCILLOR WATSON, J.P. (Vice-Chairman).

+MRS. ALDERMAN BROWN, J.P.	COUNCILLOR COLBURN. (Died February, 1943).
ALDERMAN SAMPSON, J.P.	COUNCILLOR HOWARTH.
+*MISS COUNCILLOR GILLESPIE.	<sup>o</sup> +*COUNCILLOR H. HUDSON.
MISS COUNCILLOR PROCTOR.	*COUNCILLOR R. HUDSON.
+*COUNCILLOR CLEGG.	COUNCILLOR LANCASTER.

FOR MATERNITY AND CHILD WELFARE BUSINESS ONLY.

### Advisory Member:

\*MRS. E. POPPLETON, J.P.

<sup>o</sup>Member of Contracts Sub-Committee.

<sup>o</sup>Member of Standing Sub-Committee.

\*Member of Special Hospital Fees Sub-Committee.

## STAFF OF THE PUBLIC HEALTH DEPARTMENT.

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### WHOLE TIME OFFICERS.

<b>Medical Officer of Health, Administrative Tuberculosis Officer, School Medical Officer, Medical Superintendent Corporation Hospitals, Medical Superintendent Burnley Joint Hospital Board.</b>	} D. C. LAMONT, M.B., CH.B., D.P.H.
<b>Tuberculosis Officer, Deputy Medical Officer of Health, Resident Medical Officer Burnley Jt. Hospital Board's Isolation Hospital.</b>	
<b>Venereal Diseases Medical Officer and Director of Public Health Laboratory.</b>	
<b>Assistant Maternity and Child Welfare Officer and Resident Medical Officer at Bank Hall Maternity Hospital</b> ... ... ... ...	} A. BECK, M.D. (FRANKFORT), L.R.C.P. & S.
<b>Assistant School Medical Officer</b> ...	
<b>Resident Surgical Officer, Municipal General Hospital</b> ... ... ...	
<b>Assistant Medical Officer Municipal General Hospital</b> ... ... ...	} O. METZL, M.D. (PRAGUE).
<b>Veterinary and Meat Inspector</b> ...	
<b>Dental Surgeons, School Medical, Child Welfare, Tuberculosis, Municipal Hospital and Public Assistance Services</b> ... ... ...	} H. A. BOLTON, L.D.S. (On Active Service). ANNIE M. KEAN, L.D.S.
<b>Borough Analyst</b> ... ... ...	
<b>Chief Sanitary Inspector &amp; Inspector under the Food and Drugs Acts</b>	} F. SHUTTLEWORTH †a
<b>Chief Clerk and Vaccination Officer</b>	
<b>Senior Assistant and Housing Inspector</b> ... ... ...	} J. HARRIS †a

<b>Assistant Sanitary Inspectors</b>	...	<b>J. W. ALMOND†</b> <b>H. CROSSLEY†</b> <b>R. J. HOWELLS†a</b> <b>E. ROBERTS†</b> <b>E. BENNETT†a</b> <b>G. WALMSLEY†a</b>
<b>Superintendent Health Visitor</b>	...	<b>MISS E. S. FRANKS‡bc</b>
<b>Health Visitor's, Tuberculosis, School and Orthopædic Nurses</b>	...	<b>MISS M. FERNIHOUGH‡</b> <b>MISS L. R. FIRTH</b> <b>MISS E. HACKING‡c</b> <b>MISS W. HALL‡c</b> <b>MRS. E. HAWORTH‡</b> <b>MISS S. JACKSON‡</b> <b>MRS. H. JONESc</b> <b>MISS P. LAKIN*</b> <b>MISS L. G. MOORE‡c</b> <b>MISS J. H. PATERSON‡c</b> <b>MISS E. MERCER‡c</b>
<b>Municipal Midwives</b>	...	<b>MISS L. GILLIN‡</b> <b>MISS E. GIBSON‡</b> <b>MISS E. JARVIS‡ (Resigned April, 1942)</b> <b>MISS E. LAYFIELD‡</b> <b>MISS H. STANDEN‡</b> <b>MISS M. WILKINSON‡</b> <b>MISS M. BLEZARD‡ (Appointed June, 1942)</b>
<b>Matron, Municipal General Hospital</b>		<b>MRS. M. RUSSELL‡</b>
<b>Matron, Bank Hall Maternity Hospital</b>	...	<b>MISS M. B. JOHNS‡ (Appointed Feb., 1942)</b>
<b>Laboratory Assistants</b>	...	<b>P. GLEESON.</b> <b>A. STURGESSION.</b>
<b>CLERICAL STAFF:</b>		
<b>General Public Health Work</b>	...	<b>Two male and five female Clerks.</b> <b>(Three male Clerks on Active Service).</b>
<b>School Medical Service</b>	...	<b>Three female Clerks and two Dental Attendants.</b>
<b>Municipal General Hospital</b>	...	<b>One Steward, one Storekeeper, one Clerk,</b> <b>(Two males on Active Service).</b>

†Certified Sanitary Inspector.

aMeat and other Food Certificate.

‡Certificate of C.M.B.

bTeacher's Certificate of the C.M.B.

‡State Registered Nurse.

cHealth Visitor's Certificate.

\*Certificate—Chartered Society Massage  
Medical Gymnastics and Medical  
Electricity.

## PART TIME OFFICERS.

## SCHOOL MEDICAL :

<b>Ophthalmic Surgeon</b> ... ... ...	K. BROWN, M.C., M.B., CH.B., D.O.M.S. (ENG.), D.O. (OXON).

## MATERNITY AND CHILD WELFARE :

## BANK HALL MATERNITY HOSPITAL :

<b>Consulting Obstetrician for the Hospital and Domiciliary Midwifery, etc.</b> ... ... ...	A. CALLAM, D.S.O., M.D., F.R.C.S.E.

<b>Anæsthetist</b> ... ... ...	A. C. GLASHAN, M.B., CH.B.
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## MUNICIPAL GENERAL HOSPITAL :

<b>Consulting Surgeons</b> ... ... ...	A. CALLAM, D.S.O., M.D., F.R.C.S.E. J. H. WATSON, M.B., B.S., F.R.C.S.

<b>Ophthalmic Surgeon</b> ... ... ...	K. BROWN, M.C., M.B., CH.B., D.O.M.S. (ENG.), D.O. (OXON).

<b>Consulting Physician</b> ... ... ...	J. GIBSON, M.A., M.D., D.P.H.
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<b>Consulting Radiologist</b> ... ... ...	J. GRIEVE, M.A., M.B., CH.B., D.M.R.E.
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<b>Anæsthetists</b> ... ... ...	J. HAWORTH, M.B., CH.B. D. SKINNER, M.B., CH.B. (On Active Service).

<b>Biochemist</b> ... ... ...	HUBERT LAWRIE, B.Sc.
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<b>District Medical Officers under the Poor Law Acts</b> ... ... ...	D. A. KER, M.B., CH.B. (On Active Service). F. SYKES, M.R.C.S., L.R.C.P. C. B. E. LYNCH, M.B., CH.B.

<b>Public Vaccinators</b> ... ... ...	J. HAWORTH, M.B., CH.B. D. A. KER, M.B., CH.B. (On Active Service).

## SUMMARY OF STATISTICS

### 1.—GENERAL STATISTICS.

Area in Statute Acres (1931 Census figure) ... ... ... ... ...	4,686 acres
Area fully developed, or in course of development ... ... ... ...	2,186 acres
Enumerated Population, National Registration, 1939 ... ... ... ...	85,400
Registrar General's Estimate of Population, middle of 1942 ... ...	80,340
Density of Population, i.e., Number of Persons per Acre built upon ... ...	37·0
Number of Houses in Borough, December, 1942 ... ... ... ...	28,302
Number of Inhabited Houses (end of 1942) according to Rate Books ... ...	28,000
Number of New Houses erected in 1942 ... ... ... ...	2
Rateable Value (April, 1943) ... ... ... ...	£575,635
Sum Represented by a Penny Rate Paid in 1943... ... ... ...	£2,190
Amount of Poor Law (Out-door) Relief Paid in 1942 ... ... ... ...	£30,001

### 2.—EXTRACTS FROM VITAL STATISTICS.

				1942	1941
		M.	F.	Total	
Live Births: Legitimate ... ... ... ...	537	530		<b>1,067</b>	943
Illegitimate ... ... ... ...	27	30		<b>57</b>	47
	—	—		—	—
	564	560		<b>1,124</b>	990
	—	—		—	—
Rate per 1,000 of estimated resident population	...	...		<b>14·0</b>	12·02
Stillbirths: Legitimate ... ... ... ...	19	16		<b>35</b>	53
Illegitimate ... ... ... ...	3	—		<b>3</b>	2
	—	—		—	—
	22	16		<b>38</b>	55
	—	—		—	—
Rate per 1,000 total (live and still) births	...	...		<b>32·7</b>	52·6
Number of Deaths (Males 635, Females 594) ... ... ... ...	...	...		<b>1,229</b>	1,331
Crude Death Rate per 1,000 of estimated resident population ... ...	...			<b>15·30</b>	16·16
Death Rate as adjusted by Registrar General's A.C.F. figure (0·96) ...	...			<b>15·51</b>	15·51

#### Deaths from Puerperal Causes (R.G.'s Short List):—

	Deaths.	Rate per 1,000 total live and still births—
Number 29. Puerperal Sepsis ... 1 ... ... ...		<b>0·86</b>
Number 30. Other Puerperal causes 2 ... ... ...		<b>1·72</b>
	—	—
Total ... ... ... 3 ... ... ...		<b>2·58</b>
	—	—
Number of Deaths of Infants under 1 year of age ... ... ...	...	<b>69</b>
	...	76

## Death Rate of Infants under 1 year of age—

All Infants per 1,000 live births ...	...	...	...	<b>61.4</b>	74.3
Legitimate Infants per 1,000 legitimate live births ...	...	...	...	<b>60.9</b>	74.8
Illegitimate Infants per 1,000 illegitimate live births ...	...	...	...	<b>70.0</b>	63.8

## Death Rates per 1,000 population from:—

Pulmonary Tuberculosis ...	...	...	...	...	<b>0.74</b>	0.69
All Forms of Tuberculosis ...	...	...	...	...	<b>0.95</b>	0.83
Respiratory Diseases (excluding Pulmonary Tuberculosis) ...	...	...	...	...	<b>1.17</b>	1.20
Cancer ...	...	...	...	...	<b>2.0</b>	1.90
Principal Zymotic Diseases: Smallpox, Enteric Fever, Measles, Scarlet Fever, Whooping Cough, Diphtheria and Membranous Croup ...	...	...	...	...	<b>0.04</b>	0.08
Death Rate from Diarrhoea and Enteritis of Children under 2 years of age, per 1,000 births ...	...	...	...	...	<b>2.66</b>	4.0
Deaths from Measles (all ages) ...	...	...	...	...	—	—
Deaths from Whooping Cough (all ages) ...	...	...	...	...	—	4
Deaths from Diarrhoea under 2 years of age ...	...	...	...	...	<b>3</b>	4

PUBLIC HEALTH DEPARTMENT,

BURNLEY,

December, 1943.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present to you my twelfth Annual Report dealing with the work carried out by the Council during 1942 under the Public Health and other Acts. The Report is again curtailed at the request of the Ministry of Health. The Report includes only essential matters, and detailed information on various health services have again been omitted. Further statistical tables are being preserved in order that continuous records may be available for reference.

There is little to which special attention need be directed. The year under review was uneventful in so far that no new health or hospital services were established and no major epidemics of infectious disease occurred. This review of the health of Burnley in the third year of war shows that not only was the standard of health of both young and old well maintained, but in some respects there was a definite improvement over that of the pre-war years. This is particularly so in respect of the children, as demonstrated by lower infant mortality and lower incidence of deaths from zymotic diseases.

Except for some prevalence of scarlet fever, there was little infectious disease in 1942. In common with the country generally, pulmonary tuberculosis and venereal disease showed increases, the increase in the latter being mainly among women.

Following the pre-war transfer of population from clearance areas in the centre to housing estates on the south western area of the town, the Parker Street Infant Welfare Centre was closed in July, 1942, and a centre opened in Florence Street. This centre is conveniently situated to meet the needs of Stoops, Hargher Clough and Plane Tree Housing Estates.

Increased attention was given to sampling and analysis of foodstuffs. I have also drawn attention to the lowering of the standard of cleanliness of milk samples and the increase in bovine tuberculosis.

I desire to thank the Chairman and members of the Public Health and other Committees for their support, and wish to record my appreciation of the manner in which the staff have carried out their duties throughout the year.

I am,

Your obedient Servant,

D. C. LAMONT,

*Medical Officer of Health.*

# REPORT.

## SECTION 1. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

### **Area and Population.**

No change in Area to report.

The Registrar General's estimate of population at the middle of 1942 is 2,010 less than that of 1941.

### **Unemployment, etc.**

Nothing to report.

### **Poor Law Relief.**

The total amount of Out-door Relief expended in Burnley during the year was £30,001, as compared with £32,246 in 1941. The weekly average number of persons in receipt of Out-relief was 887 comprising 534 cases. There were 389 admissions of Burnley persons to the Primrose Bank (Public Assistance) Institution.

### **Health Insurance.**

The total number of persons in Burnley entitled to medical benefit on the 31st December, 1942, was approximately 48,228, or 60% of the total population.

### **Baths.**

Water from the Public Swimming Baths was examined on 44 occasions, and from the results obtained treatment was suggested for improving the condition of the water.

### **The Weather of 1942 compared with 1941.**

#### METEOROLOGICAL OBSERVATIONS AT QUEEN'S PARK.

		1942.		1941.
Sunshine: Total	... ... ...	987 hours	...	873.9 hours
No. of days with bright				
sunshine	... ...	231	...	236
Highest amount in 24 hours	on 4th June		...	13.7 hours
		13.2		on 24th June
Rainfall: Total fall	... ... ...	41.62 ins.	...	34.48 ins.
No. of days rain	...	196	...	189
Highest amount in a day	...	1.59 ins.	...	2.42 ins.
		on 9th October		on 9th October

## Temperature :—

Mean Temperature in shade	...	46.5°	...	47.1°
Mean Range	...	12.4°	...	12.9°
Mean of Earth Therm, 1 foot	...	47.6°	...	47.4°
"    "    4 feet	...	47.9°	...	47.6°
No. of days of ground frost	...	148	...	168

## Relative Humidity :—

Mean	...	...	...	83.4%	...	84.2%
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## VITAL STATISTICS.

## Live Births.

There have been 1,160 live births (580 males, 580 females) registered in Burnley during 1942. After correction for 90 inward and 126 outward transferable births a net total of 1,124 births, or an increase of 134 on the total for 1941 is obtained.

The birth rate was 14.0, as compared with 12.02 in 1941. Throughout England and Wales the live birth rate in 1942 was 15.8, and in the 126 great towns 17.3. The Burnley birth rate, therefore, continues to be considerably lower than that of the whole country and of the large towns.

The percentage of illegitimate births was 5.1, as compared with 4.7 in the previous year.

## Stillbirths.

During the year 38 stillbirths were registered, giving a rate of 32.7 per 1,000 total (live and still) births, as compared with 52.6 in 1941.

## Deaths.

One thousand five hundred and twenty civilian deaths were registered in Burnley during the year. Of this number 372 deaths of non-residents, chiefly occurring in public institutions, have been excluded, leaving 1,148 deaths of residents. To this number has been added 81 deaths of Burnley people who have died in other districts.

After these corrections a net total of 1,229 deaths is obtained (males 635; females 594), giving a crude death rate of 15.30 per 1,000 of population, as compared with 16.16 for 1941, and 14.85, the average for the previous 10 years. The crude death rate for England and Wales in 1942 was 11.6, and in 126 great towns 13.3.

## Age Distribution.

There were 82 deaths of children under 5 years of age, representing 6.7% of the total deaths. Of these, 69 were children under 1 year of age. 11 deaths were of children between 5 and 15 years of age, 27 deaths were of persons aged

15 to 25 years. 107 persons died between the ages of 25 and 45 years; 382 between 45 and 65 years; and 620, or 50% of the total deaths, were aged 65 years and upwards.

**Deaths in Institutions.**—813 deaths occurred in the Public Institutions of Burnley during the year.

				Deaths of Burnley Residents.		Deaths of Non- Residents.		Total.
Municipal General Hospital ...	...	...	...	193	...	163	...	356
Victoria Hospital ...	...	...	...	136	...	90	...	226
Hospital for Infectious Diseases ...	...	...	...	7	...	11	...	18
Bank Hall Maternity Hospital...	...	...	...	21	...	12	...	33
Primrose Bank Public Assistance Institution ...	...	...	...	88	...	92	...	180
<b>Total</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>445</b>	<b>...</b>	<b>368</b>	<b>...</b>	<b>813</b>

**Birth-rates, Death-rates, Analysis of Mortality, Maternal Death-rates, and Case-rates for certain Infectious Diseases in the year 1942.**

(Provisional Figures, supplied by the Registrar-General, with the exception of those relating to Burnley.)

	126	148			
	County	Smaller			
	Boroughs	Towns			
	England and Wales.	Great Towns, including London.	(Resident Populations 25,000 to 50,000 at 1931 Census)	London Adminis- trative County.	Burnley.
<b>BIRTHS:—</b>			Rates per 1,000 Population.		
Live ...	15.8	17.3	18.4	14.0	14.0
Still ...	0.54	0.66	0.62	0.48	0.47
<b>DEATHS:—</b>					
All Causes ...	11.6	13.3	12.1	13.9	15.30
Typhoid and Paratyphoid Fevers ...	0.00	0.00	0.00	0.00	—
Smallpox ...	—	—	—	—	—
Measles ...	0.01	0.02	0.01	0.01	—
Scarlet Fever ...	0.00	0.00	0.00	0.00	0.01
Whooping Cough ...	0.02	0.03	0.02	0.04	—
Diphtheria ...	0.05	0.06	0.04	0.02	0.02
Influenza ...	0.09	0.09	0.10	0.07	0.09
<b>NOTIFICATIONS:—</b>					
Smallpox ...	0.00	0.00	—	0.00	—
Measles ...	7.46	9.27	7.39	8.62	7.75
Scarlet Fever ...	2.19	2.49	2.34	1.86	6.05
Whooping Cough ...	1.73	1.97	1.58	2.72	0.24
Diphtheria ...	1.05	1.35	0.91	0.76	0.62
Typhoid Fever ...	0.01	0.01	0.01	0.02	0.04
Para Typhoid ...	0.01	0.01	0.01	0.01	0.01
Erysipelas ...	0.30	0.36	0.26	0.43	0.50
Pneumonia ...	1.07	1.30	0.94	0.94	1.84
Cerebro Spinal Fever ...	0.14	0.17	0.12	0.15	0.25
	Rates per 1,000 Live Births.				
Deaths under one year of age	49	59	46	60	61.4
Deaths from Diarrhoea and Enteritis under two years of age ...	5.2	7.5	4.8	8.6	2.66
	Rates per 1,000 Total Births (i.e., Live and Still).				
<b>MATERNAL MORTALITY:—</b>					
Puerperal Infection ...	0.42				0.86
Others ...	1.59	Not available.			1.72
Total ...	2.01				2.58
<b>NOTIFICATIONS:—</b>					
Puerperal Fever ...	12.61	15.94	10.80	3.10	21.51
Puerperal Pyrexia ...				17.69	

### Causes of Death.

In the table below the chief causes of death are shown.

				No.		Percentage of Total Deaths.
Heart Disease, etc.	...	...	...	343	...	27·9
Cancer	...	...	...	160	...	13·0
Respiratory Diseases	...	...	...	94	...	7·6
Diseases of Arteries	...	...	...	84	...	6·8
Cerebral Hæmorrhage; Apoplexy	...			69	...	5·7
All Forms of Tuberculosis	...	...	...	60	...	6·2
Violence	...	...	...	49	...	4·0
Diseases of Genito-Urinary System	...			43	...	3·5
Diseases of Early Infancy, etc.	...	...	...	36	...	2·9

### Infant Mortality.

Eighty deaths of infants under one year of age were registered in Burnley during the year 1942. After correction for inward and outward transferable deaths, a net total of 69 deaths is obtained, or seven less than the net deaths registered in 1941.

Births.		Infantile Deaths.		Infantile Death Rate per 1,000 Births.		
Males.	Females.	Males.	Females.	Males.	Females.	Both Sexes.
564	560	37	32	65·5	57·1	61·4

Death rate amongst legitimate infants per 1,000 legitimate births ... 60·9

Death rate amongst illegitimate infants per 1,000 illegitimate births ... 70·0

Forty-five deaths occurred of infants within four weeks of birth, giving a neo-natal mortality of 40·0 per 1,000 births.

## SECTION 2.

## GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

## HOSPITALS PROVIDED BY THE LOCAL AUTHORITY.

## COUNTY BOROUGH OF BURNLEY.

## Bank Hall Maternity Hospital.

## The Municipal General Hospital.

## Primrose Bank Public Assistance Institution.

No alterations in the accommodation or methods of administration of these institutions were made during 1942.

## Venereal Diseases.

## Tuberculosis.

## Orthopædics.

## Eye Defects and Orthoptic Treatment.

## Ophthalmia Neonatorum.

## Puerperal Pyrexia.

## Mental Hospitals.

## Mental Deficiency.

## Subsidies to Medical Institutions.

## Convalescent Home.

## Professional Nursing in the Home.

## Institutional Treatment for

## Unmarried Mothers, Illegitimate Infants and Homeless Children.

## Ambulance Facilities.

## Public Health Laboratory.

## Chemical Work.

## Public Vaccination.

No alterations have been made during 1942 in the arrangements for the provision of these services.

**EAR, NOSE AND THROAT DISEASES.**—This work is being undertaken temporarily by the Resident Surgical Officer of the Municipal General Hospital.

## Delicate Children.

During 1942, the Burnley Joint Hospital Board's Smallpox Hospital at Crown Point continued to be used for the open-air treatment of delicate children from Burnley. 45 children were under treatment during the year.

## Midwives.

Six whole-time salaried midwives were employed by the Local Authority for domiciliary midwifery during 1942. Only three midwives notified their intention to engage in private midwifery practice during the year.

**Nursing Homes.**

None in the County Borough.

**Burnley Joint Hospital Board.**

MARSDEN ROAD INFECTIOUS DISEASES HOSPITAL AND CROWN POINT  
SMALLPOX HOSPITAL.

No changes in the accommodation, administration or staffing of these hospitals were made during 1942.

**Victoria Hospital, Burnley (Voluntary Hospital).**

No changes in the accommodation or administration were made during 1942.

**Public Assistance Medical Out-Relief.**

There is a Medical Officer for each of the three Relief Districts.

The work of the three part-time District Medical Officers is summarised as follows :—

		No. of Attendances at Surgeries.	No. of Domiciliary Attendances.	Total Attendances.
No. 1 District	... ...	1017	315	1332
No. 2 District	... ...	2800	2666	5466
No. 3 District	... ...	589	656	1245
TOTAL	... ...	4406	3637	8043

**Clinics and Treatment Centres.**

No alterations were made during 1942.

**Legislation in Force.**

No additions to Local Acts, Bye-laws and Local Regulations were made during 1942.

## SECTION 3.

### SANITARY CIRCUMSTANCES OF THE AREA.

#### Water Supply.

No changes were made during 1942 in the sources of supply, methods of treatment or distribution of water.

The number of samples examined during 1942 was as follows :—

#### CHEMICAL ANALYSIS (Borough Analyst's Laboratory).

Samples submitted by Public Health Department .....	45
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#### BACTERIOLOGICAL EXAMINATION.

Samples examined by Bacteriologist in Public Health Laboratory .....	43
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The results of both bacteriological and chemical analyses were generally satisfactory.

In addition, twenty-seven samples from emergency supplies were examined chemically and bacteriologically.

On the 17th December, 1942, the supply in store was 630 million gallons. The consumption of water during the year was 1,033,294,687 gallons—approximately 15 million gallons more than in the previous year.

The supply of water is ample for the needs of the town. The rainfall, as measured at four different points on the gathering grounds, showed an average of 46.27 inches in the year. The lowest amount measured was 44.25 inches, and the highest 49.71 inches.

**Rivers and Streams.** Nothing new to report.

**Drainage and Sewerage.** Nothing new to report.

#### Public Cleansing.

**Collection and Disposal of Refuse.**—No alterations have been made during 1942.

## Amount of Refuse dealt with during the Year Ended 31st March, 1943.

	Tons.	Cwts.
Refuse Collected ... ... ... ... ...	17,463	12
Disposal of Refuse:—		
By Salvage ... ... ... ...	3,904	2
By Combustion ... ... ... ...	4,474	4
Screened dust, clinker, etc., tipped ...	11,435	6

## Receptacles for Refuse in use during 1942.

No. of Dwellings.	No. of Ashbins.	No. of Ashpits.
28,302 ...	29,746 ...	Nil.

## General Sanitary Inspection.

No change has been made in the number of Sanitary Inspectors.

Four thousand and forty-one complaints were received and investigated.

	No.
Visits to Factories with Mechanical Power ...	302
,, Factories without Mechanical Power ...	83
,, Bakeries ... ... ...	353
,, Chip, Fish and Tripe Shops ...	83
,, Ice-cream Shops ... ...	2
,, Milk and Grocer' Shops ...	152
,, Fruiterers' and Fishmongers' Premises ...	44
,, Butchers, Bloodboilers and Food Preparers ...	42
,, Milliners and Dressmakers ...	29
,, Other Dress Trades ...	23
,, Hairdressers and Barbers ...	15
,, Marine Store and Offensive Trades ...	36
,, Stables and Manure Pits ...	1,011
,, Premises where Animals are kept ...	31
,, Lodging Houses, Registered ...	135
,, Lodging Houses, Unregistered ...	22
,, Canal Boats ... ... ...	43
,, Back-to-Back and Single Dwellings ...	565
,, Houses Let in Lodgings ...	191
,, Other Dwellings ...	11,201
,, Reported Dirty Dwellings ...	386
,, Old Property re Alterations...	134
,, Premises where Nuisances exist ...	9,317

Drains Tested	...	...	...	...	...	...	271
Legal Notices Served	...	...	...	...	...	...	541
No. of Preliminary Notices sent out to abate Nuisance	...	...	...	...	...	...	1,664
No. of Defects reported to Borough Surveyor	...	...	...	...	...	...	181
No. of Defects reported to Cleansing Department	...	...	...	...	...	...	241
No. of Defects reported to Highways Department	...	...	...	...	...	...	1,493
Interviews with Owners, Agents, etc., re Property	...	...	...	...	...	...	1,579
Visits to Schools Premises	...	...	...	...	...	...	125
,,    Theatres and Cinemas	...	...	...	...	...	...	7
,,    Public Institutions	...	...	...	...	...	...	28
Defects found and dealt with	...	...	...	...	...	...	3,622
Defects of various kinds on the books of the Department at the end of the year	...	...	...	...	...	...	567

The following are the particulars of the Statutory Notices served :—

#### **Legal Notices Served during the Year.**

##### **PUBLIC HEALTH ACT, 1936—**

Section 92—General Nuisances	...	...	...	...	...	204
Section 39—Unsatisfactory Drainage	...	...	...	...	...	134
Section 45—Closet Nuisances	...	...	...	...	...	107
Section 75—Defective Dustbins	...	...	...	...	...	67

##### **BURNLEY CORPORATION ACT, 1925—**

Section 53—Defective Drains	...	...	...	...	...	29
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#### **SMOKE ABATEMENT.**

At the request of the Ministry of Health, these observations were discontinued in 1940.

#### **PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS OR REGULATIONS.**

##### **Common Lodging Houses.**

At the end of the year there were 14 houses registered, the total accommodation being for 465 males. 135 visits were made and 19 defects found.

### Houses Let in Lodgings.

There are 12 houses in Burnley registered as Houses Let in Lodgings, being a decrease of 2 on the number of the previous year. The 12 houses are divided in separate tenements, as follows :—

One-roomed	...	...	...	...	...	...	72
Two-roomed	...	...	...	...	...	...	3
Three-roomed	...	...	...	...	...	...	22
<hr/>							
							97
<hr/>							
Visits paid	...	...	...	...	...	...	191
Defects found	...	...	...	...	...	...	41
Defects remedied	...	...	...	...	...	...	21

OCCUPANTS.—On making an informal census at the end of the year, it was estimated that 151 persons occupied the houses let in lodgings. This represents 1.55 persons per tenement, and 1.05 persons per room.

Adults—Males	...	...	...	...	...	...	67
Females	...	...	...	...	...	...	57
Infants under 1	...	...	...	...	...	...	8
Children 1 to 10	...	...	...	...	...	...	19
<hr/>							
							151
<hr/>							

### Offensive Trades.

The following is a list of the Offensive Trades carried on in Burnley :—

Gut Scraper	...	...	...	...	...	...	1
Marine Stores	...	...	...	...	...	...	4
Tripe Boilers	...	...	...	...	...	...	1
Fat Melters	...	...	...	...	...	...	1
Fellmonger	...	...	...	...	...	...	1
Tanner	...	...	...	...	...	...	1
<hr/>							
							9
<hr/>							

Inspections, 36. Defects found, 6.

Verbal reminders and Informal Notices, 4.

**Rag Flock Acts, 1911 and 1928.**

No action has had to be taken under these Acts.

**Stable Middens.**

No. of middens, 77. Inspections, 1,011. Defects found, 5.

Informal Notices, 3.

No of times manure pits sprayed to destroy larvæ of flies, 260

**INSPECTION OF FACTORIES.****Factories Act, 1937.**

Number of Factories on register at end of year:—

Factories with mechanical power	...	...	...	...	121
Bakehouses	...	...	...	...	215
Milliners and Dressmakers	...	...	...	...	72
Woodworkers	...	...	...	...	74
Tailors, Shoemakers and Cloggers	...	...	...	...	76
Metal Workers	...	...	...	...	113
Sundries	...	...	...	...	220
					—
					891
					—

**Factories with Mechanical Power:—**

Number of Inspections	...	...	...	...	...	302
Number of Defects found	...	...	...	...	...	64
Legal Notices served	...	...	...	...	...	6
Informal Notices sent	...	...	...	...	...	12
Verbal Notices	...	...	...	...	...	40

**Factories without Mechanical Power (other than Bakehouses):—**

Number of Inspections	...	...	...	...	...	83
Number of Defects found	...	...	...	...	...	10
Legal Notices served	...	...	...	...	...	1
Informal Notices sent	...	...	...	...	...	1
Verbal Notices given	...	...	...	...	...	9

The Factory Inspector referred to the Health Department various defects in respect of 9 factories. Action was taken in all cases and the defects remedied without the service of statutory notices.

**Public Health Act, 1936, Part X.—Canal Boats Regulations.**

A detailed report has been submitted to the Ministry of Health and is, therefore, being omitted from this Report.

The number of boats inspected was 43. Nine boats did not conform in all respects with the Act and Regulations. Twelve defects were found, and letters sent in all cases. The number of boats on the Register at 31st December, 1942, was 25.

**General Inspection of Working Class Dwellings.**

Five hundred and sixty-five visits have been paid to back-to-back and single houses, 191 to houses let in lodgings, and 11,201 to other dwellings.

**Dirty Houses.**

Two hundred and eighteen were suspected of being dirty, and 93 were found to be so on inspection. In five cases it was found necessary to serve legal notices to get the nuisances remedied.

**Sanitary Accommodation.**

The total number of types of closets in the Borough at the end of 1942 are as follows :—

Dec., 1942.

Clean Water Closets	...	...	...	...	16,079
Waste Water Closets	...	...	...	...	17,464
Latrines (256) with closets	...	...	...	...	1,070
Privies	...	...	...	...	188

In only eight dwellinghouses (apart from farms) having clean water closets, do the closets drain to cesspools.

The above numbers include dwellings which were in the Corporation's five-year Slum Clearance Programme, but which, at the end of 1942, had not been vacated and demolished.

During the financial year assistance was given in connection with 29 conversions of waste-water closets.

The total number of closets not on the water-carriage system is 184, of which 168 are pails and 16 tanks. The Cleansing Department is responsible for the emptying of 142 of these.

**Shops Act, 1934 (Section 10).**

No. of Combined Shops and Dwellinghouses in Borough...	1,806
„ „ Shops only ...	766
Total inspections of Shops ...	743
Inspections specifically for purposes of Section 10 ...	184
Shops not found to comply with Section 10...	32

**Offices.**

It has not been possible for the Sanitary Inspectors to inspect any of these premises during the year.

**Camping Sites.**

There are no seasonal camping sites within the Borough.

**Inspection of Bakeries.**

During the routine inspections of premises in which food is prepared, 353 visits were made to bakehouses. The standard of cleanliness of these was found to be very satisfactory.

**DETAILS OF INSPECTION AND DEFECTS FOUND :—**

Number on Register	...	...	...	...	215
Number of Inspections made	...	...	...	...	353
Verbal Notices	...	...	...	...	52
Informal (written) Notices	...	...	...	...	6
Legal Notices	...	...	...	...	2
Number of Defects	...	...	...	...	63

(These included 38 where limewashing was overdue).

**Fish and Chip Shops.**

No. of fish frying businesses at 31st December, 1942	...	77
No. of Inspections	...	83
Defects found	...	10
Informal Notices	...	9

**Rats and Mice (Destruction) Act, 1919.**

Methods of dealing with rats and mice have been detailed in previous reports.

Applications for assistance received	...	...	...	132
Boxes of rat poison issued	...	...	...	151
Special inspections regarding rats	...	...	...	245

A full-time ratcatcher was appointed and took up duties in October after completing an intensive course of training under the Liverpool Port Sanitary Authority.

From October to the end of 1942 he destroyed 202 rats.

**Sanitary Conditions of Schools.**

All the schools in the town are supplied with water from the town's mains.

A report on the sanitary condition of the schools is given in my Annual Report for 1942 as School Medical Officer. The Sanitary Inspectors made 125 visits to schools, mainly to inspect the sanitary conveniences.

It has not been necessary to close any school in the Borough on account of Infectious Disease during 1942.

## SECTION 4.

### HOUSING.

Types of dwellinghouses in the Borough at the end of 1942 :—

Houses with through ventilation	...	...	...	25,538
Combined houses and shops	...	...	...	1,806
Houses without through ventilation :—				
(a) Back-to-Back	...	...	...	776
(b) Single houses	...	...	...	158
(c) Single-roomed dwellings	...	...	...	16
(d) Cellar dwellings	...	...	...	7
Vans and Sheds	.....	...	...	1
Total				28,302

#### Houses Inspected and Recorded.

The total houses recorded under the Housing Consolidated Regulations, up to the end of 1942 was 15,072. Houses inspected and recorded for the first time, 130. Houses re-inspected, 90. Number of re-visits in connection with defects found in the houses inspected, 1,510.

#### HOUSES WITHOUT THROUGH VENTILATION :—

Total number of houses in the Borough...	...	...	...	28,302
Total number of back-to-back houses, single houses, single-roomed dwellings and cellar dwellings	...	...	...	957
Total number of back-to-back and single houses closed, converted to through houses or demolished during 1942	...	...	...	72
Number of back-to-back and single houses which were included in the 5-year programme, but not yet dealt with	...	...	...	123

#### Slum Clearance Programme.

At the end of 1942, Clearance, Improvement, Demolition and Closing Orders had been made and undertakings accepted in respect of 1,909 houses. This necessitates the displacement of 5,014 persons, of whom 4,723 had been re-housed at the end of the year.

Routine housing inspections and repair work are proceeding, although difficulties are being encountered owing to high prices and shortage of materials and labour.

## Overcrowding.

By the end of 1942, overcrowding records show that only 14 families are overcrowded. It is possible, however, that the influx of evacuees and shortage of housing accommodation may have caused more houses to be overcrowded.

## Eradication of Bed Bugs and Prevention of Infestation of New Houses.

During 1942 the furniture, etc., of 3 families was fumigated by hydrocyanic acid gas in course of removal from condemned or infested houses to new Council houses.

The following bug-infested property was dealt with during 1942:—

(a) COUNCIL HOUSES.

(b) OTHER HOUSES.

**HOUSING STATISTICS.**  
**YEAR ENDED 31st DECEMBER, 1942.**

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NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.

(a) Total Number (including (b))	...	...	...	...	...	...	...	2
(1) By Corporation	...	...	...	...	...	...	...	—
(2) By private enterprise	...	...	...	...	...	...	...	2
(b) With State Assistance under the Housing Acts	...	...	...	...	...	...	...	—

1. UNFIT DWELLINGHOUSES.

(I.) INSPECTION:—

(1) (a) Total number of dwellinghouses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	...	...	543
(b) Number of inspections made for the purpose	...	...	...	...	...	...	1,833
(2) (a) Number of dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	...	...	...	...	...	...	220
(b) Number of inspections made for the purpose	...	...	...	...	...	...	1,510
(3) Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...	...	None
(4) Number of dwellinghouses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	...	...	...	...	...	...	362

(II.) REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES:—

Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their officers	...	...	275
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(III.) ACTION UNDER STATUTORY POWERS DURING THE YEAR:—

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936:

(1) Number of dwellinghouses in respect of which notices were served requiring repairs	...	...	...	...	...	...	...	64
(2) Number of dwellinghouses which were rendered fit after service of formal notices:—								
(a) By Owners	...	...	...	...	...	...	...	27
(b) By Local Authority, in default of Owners	...	...	...	...	...	...	...	4



## SECTION 5. INSPECTION and SUPERVISION OF FOOD.

### **Milk Sampling.**

#### **(a) SAMPLING FOR CLEANLINESS AND KEEPING QUALITY.**

I referred, in my reports for 1940 and 1941, to the decrease in the standards of cleanliness of samples of milk. Unfortunately the lowering of the standard has continued during 1942. The laboratory reports show that the percentage of ungraded milks found to be unsatisfactory is similar to that of 1941, but the percentage of unsatisfactory "Accredited" milks is almost double that of the previous year. The little extra care in methods of production required on "Accredited" farms, to ensure the maintenance of the "Accredited" standard has been lacking, and consequently it was necessary to withhold several "Accredited" licences as from January, 1943.

The samples were examined by the Standard Methylene Blue Reductase Test of the Ministry of Health after the lapse of the prescribed time from that of production.

Reductase Test	Accredited		Ungraded		Pasteurised		T.T.	Total	
Satisfactory .....	2	18%	25	43%	5	63%	1	33	42%
Unsatisfactory .....	9	82%	33	57%	3	37%	1	46	58%
Total Samples ...	11		58		8		2	79	

#### **(b) SAMPLING FOR TUBERCLE BACILLI.**

Samples are examined for the presence of bovine tubercle bacilli from milk taken in the course of delivery and from milk taken direct from herds after clinical examination by the Veterinary Officer. Ninety-one such samples were examined, of which nine were found to be positive. Comparison with previous years shows a steady increase in the incidence of tuberculous milk.

YEAR.	% POSITIVE.	YEAR.	% POSITIVE.
1938 .....	4.5%	1941 .....	5.8%
1939 .....	3.0%	1942 .....	9.9%
1940 .....	5.6%		

Over 85% of milk supplied to school children in schools is "safe" milk, being pasteurised, and the remaining 15% is of accredited standard and is sampled frequently. The Milk in Schools Scheme and the Government's scheme for milk at cheap rates for expectant mothers and pre-school children and other causes have increased considerably the consumption of milk. It is, therefore, all the more necessary that milk should be safe and free from tubercle bacilli. I am

of the opinion that in the interests of the public health, all milk other than that from tuberculin tested herds should be rendered safe by pasteurisation before distribution to the public.

### DAIRIES AND FARMS.

#### Milk and Dairies Orders, 1926 and 1938.

##### (a) PERSONS REGISTERED TO RETAIL MILK.

###### (i) With premises inside the Borough—

Dairymen	...	...	...	...	...	8
Producer-retailers	...	...	...	...	...	27
Shops selling bottled milk only	...	...	...	...	...	556

###### (ii) With premises outside the Borough—

Dairymen	...	...	...	...	...	4
Producer-retailers	...	...	...	...	...	116

Total      ...      ...      711

##### (b) FARMS ON WHICH MILK IS PRODUCED IN THE BOROUGH.

Number of farm premises at December, 1942	...	...	31
Number of such farms selling milk	...	...	29
Number of above holding "Accredited" licences	...	...	7

##### (c) COWSHEDS AND DAIRY PREMISES.

Number of inspections carried out	...	...	185
Number of nuisances found	...	...	112

#### Diseases of Animals Acts, 1894 to 1927.

The Veterinary Officer acts as Inspector under the above Acts and Orders.

One suspected case of Anthrax occurred at the Public Abattoir, and a number of Foot and Mouth contact cattle were received on one occasion at the same premises, in each case necessitating thorough disinfection.

#### Agriculture Act, 1937.

Clinical examination of all dairy cattle in the Borough and of certain herds in the adjoining area, mainly "Accredited," is carried out by the Veterinary Officer on behalf of the Ministry of Agriculture.

##### (1) MILK AND DAIRIES ORDERS.

Number of farms visited	...	...	...	...	143
Number of cattle examined	...	...	...	...	2,959
No. of cattle found diseased	...	...	...	...	67

##### (2) MILK (SPECIAL DESIGNATIONS) ORDERS.

No. of farms visited	...	...	...	...	33
No. of cattle examined	...	...	...	...	815
No. of cattle found diseased	...	...	...	...	24

During the course of the above examinations, samples of milk and/or sputum are taken from any animal suspected to be diseased for examination at the Pathological Laboratory.

Details of such samples are as follows :—

Single samples of milk examined—	Positive.	Negative.	Total.
(a) Microscopically ...	3	42	45
(b) Biologically ...	4	38	42
Bovine sputa examined microscopically	16	4	20

Any animal found to be an "open" case of tuberculosis, that is, giving tuberculous milk or excreting tubercle bacilli from the lungs is slaughtered under the provisions of the Tuberculosis Order of 1938.

#### Tuberculosis Order, 1938.

	*Burnley Borough	*Adjoining Area	Special Enquiry	Total
T.B. Milk .....	5	2	2	9
Chronic Cough .....	13	2	—	15
Total .....	18	4	2	24

\*Detected by Veterinary Officer during routine examination.

I have already referred to the steady increase in the number of bulk samples of milk found on biological examination to contain tubercle bacilli. The number of tuberculous cows detected by the Veterinary Officer on those farms on which he examines the milch cattle has shown a similar increase. The figures for the last five years are :—

1938 .....	4	1940 .....	16	1942 .....	22
1939 .....	9	1941 .....	10		

#### PUBLIC ABATTOIR.

The Burnley Abattoir continues to be one of the largest slaughtering centres of the Ministry of Food in the North-Western area. The insufficiency of accommodation and out-of-date lay-out of the premises referred to in my report for 1941 continue to make difficult the expeditious and hygienic handling of carcasses.

#### Animals slaughtered at the Burnley Abattoir—

Year.	Cattle.	Calves.	Sheep.	Pigs.	Total.
1939 ...	4,218	260	27,856	2,821	35,155
1940 ...	7,517	2,239	63,010	3,301	75,067
1941 ...	4,296	1,769	27,399	1,230	34,694
1942 ...	4,773	2,929	34,658	108	40,468

## Meat Inspection at the Abattoir.

## CARCASSES INSPECTED AND CONDEMNED.

	Cattle, excluding Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs.	Total.
Number Killed .....	2,746	2,027	929	34,658	108	40,468
Number inspected .....	2,746	2,027	929	34,658	108	40,468
ALL DISEASES EXCEPT TUBERCULOSIS. Whole Carcasses con- demned .....	17	25	9	51	3	105
Carcases of which some part or organ was condemned .....	528	662	6	635	2	1,833
Percentage of the number inspected, affected with disease other than Tuberculosis .....	19.5	33.9	1.6	2.0	4.6	—
TUBERCULOSIS ONLY. Whole carcases con- demned .....	19	117	—	—	—	136
Carcases of which some part or organ was condemned .....	396	891	2	—	31	1,320
Percentage of the number inspected, affected with Tuberculosis .....	15.1	54.6	0.2	—	28.7	—

The amount of meat found to be diseased and unfit for human consumption during 1942 was :—

On account of tuberculosis ..... 47 tons 15 cwt. 1 qrs. 21 lbs.

On account of other conditions ... 19 ,, 9 ,, 2 ,, 3 ,,

Total ..... 67 ,, 4 ,, 3 ,, 24 ,,

54.6% of all cows slaughtered showed lesions of tuberculosis. This is an increase of 12% over the figure for the previous year. I have already referred to the increase in the incidence of tuberculosis in milk retailed in the Borough and to the increase in the number of clinical cases of tuberculosis in dairy cows found by the Veterinary Officer during his routine inspections of dairy herds. This three-fold evidence of increase in tuberculosis in cattle would appear to be in the main due to dairy cattle being kept for an additional one or two lactations. A large number of dairy animals was slaughtered in 1940, when, owing to shortage of cereal feeding stuffs, dairy herds were reduced in size. This was followed in 1941 and 1942 by an increased demand for milk, and as the rearing of young stock to meet replacements had been curtailed, dairy cattle were retained in milking herds for a longer period, and the average age of dairy cattle is now probably 1½ years above that of pre-war years.

Tuberculosis in dairy cattle is mainly a pulmonary infection, and so the longer an animal with a pulmonary infection is kept in a herd, the greater the risk of other animals in the herd becoming infected.

The increased incidence of tuberculosis in dairy cattle, with the accompanying increase in tuberculous infection of milk sold to the public, is an important public health problem in that it will tend to directly influence the incidence of non-pulmonary tuberculosis in children.

#### Inspection of other Food Premises.

The increased amount of meat inspection required at the Public Abattoir and special visits to various premises to inspect stocks of foodstuffs have occupied a greater proportion of the time of the inspector. Foodstuffs placed by the Ministry of Food on "points" and which may become unfit for consumption can only be replaced on receipt of a certificate from the Public Health Department. The duty of inspecting such foodstuffs and issuing certificates has caused a curtailment of the routine visits to other food preparing premises.

#### (1) PUBLIC HEALTH MEAT REGULATIONS, 1924.

Number of infringements found	...	...	...	...	14
-------------------------------	-----	-----	-----	-----	----

#### (2) VISITS TO PREMISES WHERE FOOD IS STORED OR SOLD.

Abattoir	...	...	562	Butchers' Shops	...	...	305
Fish Shops...	...	...	48	Greengrocers	...	...	92
Grocers, etc.	...	...	138	Wholesale Premises	...	...	88
Market Stalls	...	...	215	Dairies	...	...	164
Cold Stores	...	...	129	Other Premises	...	...	112

Number of infringements found during above visits	...	92
---	-----	----

The amount of unsound food dealt with during visits to the above premises was as follows:—

Meats (various), Offals, sausages,	Oranges, 11 lbs.
Tinned Meats, etc., 4,967½ lbs.	Butter, Margarine, 39½ lbs.
Fish, Shrimps, etc., 1,068 lbs.	Cereals (flour, rice, etc.), 286½ lbs.
Potatoes, 16,912 lbs.	Jam, Pickles, Syrup, 47½ lbs.
Bacon, 19¾ lbs.	Sweets, Chocolate, 15½ lbs.
Fresh Vegetables, 115 lbs.	Dried Fruits, 10½ lbs.
Eggs, 412.	Dried Milk, 308 lbs.
Cheese, Biscuits, Puddings, Malt	Fish or Potato Cakes, 181 lbs.
Loaves, 515 lbs.	
Tins of Ready Dinners, 311; Fish, 192; Soup, Vegetables, 929;	
Fruit, 711; Milk, 1,258.	

In addition large quantities of foodstuffs which may have been unfit for sale as originally intended have been salvaged, e.g., soft fruits have been disposed of for jam pulp, potatoes for cattle feeding, etc.

#### Analysis of Samples of Food.

##### SAMPLES TAKEN DURING 1942.

Nature of Sample.	Formal.		Informal.		Total.	
	Genuine.	Adulterated or below standard.	Genuine.	Adulterated or below standard.	Genuine.	Adulterated or below standard.
Milk .....	252	10	1	2	253	12
Dried Milk Powder	—	—	2	—	2	—
Coffee .....	—	—	10	—	10	—
Anti-Gas Ointment						
No. 2 .....	—	—	5	—	5	—
Cocoa .....	—	—	9	—	9	—
Vinegar, Malt .....	—	—	2	—	2	—
Vinegar, Synthetic ..	—	1	6	1	6	2
Mercurial Ointment	1	1	2	4	3	5
Boracic   ,   ...	—	—	6	—	6	—
Sulphur   ,   ...	—	—	5	—	5	—
Tincture of Iodine ..	—	—	5	—	5	—
Meat Pies .....	—	—	3	—	3	—
Orange Crush .....	—	—	1	—	1	—
Liquid Paraffin						
Emulsion .....	—	—	1	—	1	—
Curry Powder .....	—	—	1	—	1	—
Yorkshire Pudding Mixture .....	—	—	1	—	1	—

## SAMPLES TAKEN DURING 1942—(Continued).

Nature of Sample.	Formal.		Informal.		Total.	
	Genuine.	Adulterated or below standard.	Genuine.	Adulterated or below standard.	Genuine.	Adulterated or below standard.
Beef Paste .....	—	—	2	—	2	—
Beef Stew .....	—	—	1	—	1	—
Lime Juice Cordial..	—	—	3	—	3	—
Lemon Cordial .....	—	—	1	—	1	—
Non-Alcoholic Wine	—	—	1	—	1	—
Parrish's Chemical Food .....	1	—	3	1	4	1
Saccharin .....	—	—	3	—	3	—
Aspirin .....	—	—	4	—	4	—
Salad Oil .....	—	—	1	—	1	—
Ginger, Ground .....	—	—	2	—	2	—
Nutmeg .....	—	—	1	—	1	—
Cod Liver Oil .....	—	—	1	—	1	—
Epsom Salts .....	—	—	1	—	1	—
Glauber's Salts .....	—	—	2	—	2	—
Bicarbonate of Soda	—	—	1	—	1	—
Liquid Paraffin .....	—	—	1	—	1	—
Citric Acid .....	—	—	2	—	2	—
Apple Green Col'ng	—	—	1	—	1	—
Lemon Yellow „	—	—	1	—	1	—
Tartaric Acid .....	—	—	1	—	1	—
Mint, Dried .....	—	—	1	—	1	—
Almond Flavour ..	—	—	1	—	1	—
Lemon Essence .....	—	—	1	—	1	—
Pepper .....	—	—	2	—	2	—
Lard .....	—	—	7	—	7	—
Margarine (Special)	—	—	7	—	7	—
Butter .....	—	—	7	—	7	—
Cheese .....	—	—	7	—	7	—
Baked Beans .....	—	—	1	—	1	—
Tea .....	—	—	7	—	7	—
Ham .....	—	—	3	—	3	—
Bacon .....	—	—	3	—	3	—
Rice .....	—	—	1	—	1	—
Sausage (Beef) .....	7	—	—	—	7	—
Sausage (Pork) .....	3	—	—	—	3	—
Soya Flour .....	—	—	1	—	1	—
Rose Hip Syrup .....	—	—	1	—	1	—
Figs .....	—	—	2	—	2	—
Sardines .....	—	—	1	—	1	—
Prunes .....	—	—	1	—	1	—
Totals.....	264	12	147	8	411	20

**Particulars of Formal Samples Adulterated or Below Standard.**

SAMPLE.	RESULT.	ACTION TAKEN.
Milk ... ... ...	7.90% non-fatty solids ...	Cooler found leaking. Vendor cautioned.
Milk ... ... ...	7.72% non-fatty solids ...	Vendor prosecuted.
Milk ... ... ...	7.77% non-fatty solids ...	Sample taken at place of delivery and found adulterated.
Milk ... ... ...	7.78% non-fatty solids ...	do.
Milk ... ... ...	7.94% non-fatty solids ...	Vendor prosecuted.
Milk ... ... ...	7.47% non-fatty solids ...	Vendor prosecuted.
Milk ... ... ...	7.81% non-fatty solids ...	Vendor prosecuted.
Milk ... ... ...	7.88% non-fatty solids ...	Vendor prosecuted.
Synthetic Vinegar ...	3.60% acetic acid ... ...	Vendor cautioned.
Milk ... ... ...	8.11% non-fatty solids ...	Vendor prosecuted.
Milk ... ... ...	2.92% fat and 8.32% non-fatty solids ... ... ...	Vendor cautioned.
Mercurial Ointment .	49% excess of mercury ...	Vendor cautioned.
Sausage ... ... ...	112 parts per 1,000,000 of S.O. <sub>2</sub> No notice exhibited ... ... ...	Vendor cautioned.

**Particulars of Informal Samples, Adulterated or Below Standard.**

SAMPLE.	RESULT.	ACTION TAKEN.
Milk ... ... ...	1.8% fat ... ... ...	Formal sample taken by the County Authorities.
Milk ... ... ...	1.5% fat ... ... ...	Formal sample taken.
Synthetic Vinegar ...	3.55% acetic acid ... ...	Formal sample taken.
Mercurial Ointment .	47% excess of mercury ...	Formal sample taken.
Mercurial Ointment .	9% excess of mercury ...	Formal sample taken.
Mercurial Ointment .	3% deficient in mercury ...	Warning letter sent.
Mercurial Ointment .	8% deficient in mercury ...	Warning letter sent. Unable to take formal sample as stock was exhausted.
Parrish's Chemical Food ... ... ...	89% deficient in ferrous phosphates ... ... ...	Formal sample taken.

## SECTION 6.

PREVALENCE AND CONTROL OVER  
INFECTIOUS AND OTHER DISEASES.

The incidence and deaths from the chief notifiable diseases (apart from Tuberculosis) during 1942 are as follows:—

	No. of Cases Notified.	Case Rate per 100,000 of pop'lat'n	No. of Deaths.	Mortality per 1,000 Cases.
Smallpox ... ... ... ...	—	—	—	—
Diphtheria ... ... ... ...	50	62	2	40
Scarlet Fever... ... ... ...	486	605	1	2
Erysipelas ... ... ... ...	39	50	1	26
Enteric Fever ... ... ... ...	4	4	—	—
Measles and German Measles	867	1079	1	1
Whooping Cough ... ... ...	19	24	—	—

**Smallpox and Vaccination.**

No notifications were received during 1942, and no vaccinations or re-vaccinations were performed by the Medical Officer of Health.

Of 1,051 infants whose births were registered during 1941, only 284 were successfully vaccinated by the end of January, 1943, being equivalent to 27%. The total number of children under 14 years of age who were vaccinated for the first time during the year 1942 was 341.

**Scarlet Fever.**

Four hundred and eighty-six cases occurred throughout the year. Three hundred and forty-two cases were isolated in the Burnley Joint Board's Infectious Diseases Hospital; the remainder were isolated satisfactorily and nursed in their own homes. The average duration of stay in hospital was only 24·4 days.

**Diphtheria.**

Fifty cases of Diphtheria (including 9 carriers) were notified, of which 44 were admitted to the Infectious Diseases Hospital. There was no period during which diphtheria showed epidemic prevalence.

### Diphtheria Immunisation.

During the latter part of 1942, immunisation against diphtheria was undertaken in the schools in addition to the clinic held weekly in the School Clinic premises. It is estimated that by the end of 1942, 33% of the pre-school children and 48% of the children aged 5 to 15 years in the Borough were immunised against diphtheria. The number who received inoculations during 1942 was much in excess of that of the previous year.

Immunisation Completed.		Children of Pre-school age.	Children of School age.	Adults.
At Clinics...	...	907	2065	3
At Schools	...	—	1131	3
		—	—	—
Total	...	907	3196	6

The total attendances made for these injections were 8,510.

### Other Infectious Diseases.

**MEASLES**: Six hundred and twenty-three cases of measles were notified, as compared with 1,335 in the previous year. In addition, 244 cases of German Measles occurred.

**WHOOPING COUGH**: Whooping cough was practically non-existent, only 19 cases being notified, 10 of which were in children under 5 years of age.

**PNEUMONIA**: One hundred and forty-four cases of primary pneumonia were notified, this number being 6 less than that of 1941. Influenza was not prevalent and only 4 cases of pneumonia due to influenza occurred.

**ENTERIC FEVER**: Three cases of Typhoid and one of Paratyphoid Fever were notified, but these were isolated cases, showing no connection one with the other.

**CEREBRO-SPINAL FEVER**: The 20 cases were three less than that of the previous year.

**DYSENTERY**: Eleven sporadic cases occurred, scattered throughout the year, without any traceable common source of infection.

**SCABIES**: Scabies, which has been very prevalent during the last four years, showed a still further increase in 1942, 249 children and 486 adults were treated at the Cleansing Station, the total attendances for treatment being 3,850. While the sufferers were receiving disinfectant baths and treatment in the Cleansing Station, their wearing apparel was steam disinfected, and the household bedding, bedlinen, etc., were also removed and disinfected.

### Infectious Diseases Hospital. (BURNLEY JOINT HOSPITAL BOARD).

See separate report, made to the Burnley Joint Hospital Board, on the work of the Board's institutions.

### Cancer.

No alterations were made during 1942 in the arrangements for the diagnosis and treatment of cancer, and no proposals have yet been submitted to the Ministry of Health under the Cancer Act, 1939.

### Prevention of Blindness.

No action was taken under Section 176 of the Public Health Act, 1936, for the prevention of blindness or for the treatment of persons suffering from any disease or injury to the eyes.

THE BLIND PERSONS' ACTS are administered by the Special Services Sub-Committee of the Education Committee, on which are co-opted representatives of the Burnley Blind Society and the League of the Blind. The Register of the Blind contains the following :—

Number of new cases during 1942 ...	...	...	...	30
Deaths during 1942 ...	...	...	...	12
Removals from register during 1942	...	...	...	4
Number on register on 31st December, 1942	...	...	...	261
Number in receipt of grants from the Local Authority on 31st December, 1942 ...	...	...	...	123

Cases from the County Borough of Burnley treated in the Hospital for Infectious Diseases. (Classified according to Final Diagnosis).

DISEASE.	Remaining in Hospital at the end of 1941.	Admis- sions.	Dis- charges.	Deaths.	Remaining in Hospital at the end of 1942.	Average stay in Hospital of patients discharged (days).
Scarlet Fever .....	20	342	340	—	22	24.4
Diphtheria .....	9	35	37	1	6	
Diphtheria Carriers .....	2	9	11	—	—	72.5
Scarlet Fever & Diph. Carrier ..	—	2	2	—	—	
Diphtheria Carrier & Chickenpox	1	—	1	—	—	
Scarlet Fever & Chickenpox .....	—	2	2	—	—	
Chickenpox .....	8	13	21	—	—	
Dysentery .....	—	10	8	—	2	
Scarlet Fever & Dysentery .....	—	1	1	—	—	
Paratyphoid .....	—	1	1	—	—	
Typhoid .....	—	3	—	—	3	
Meningitis—Influenzal .....	—	1	—	1	—	
"    Cerebro Spinal .....	—	13	8	4	1	
"    Tuberculosis .....	—	1	—	1	—	
Puerperal Pyrexia .....	—	1	—	—	—	1
Ophthalmia Neonatorum .....	—	6	6	—	—	
Pemphigus .....	—	5	5	—	—	
Erysipelas .....	—	9	9	—	—	
Cellulitis .....	—	3	3	—	—	
Tuberculosis .....	—	4	4	—	—	
Whooping Cough .....	—	2	1	—	1	
Morbilli .....	—	7	3	1	3	
Rubella .....	—	14	14	—	—	
Enteritis .....	—	1	1	—	—	
Pneumonia .....	1	4	5	—	—	
Measles & Whooping Cough .....	—	2	2	—	—	
Septic Eczema .....	—	2	2	—	—	
Vincent's Angina .....	—	1	1	—	—	
Bullous Impetigo .....	—	1	1	—	—	
Bronchitis .....	—	2	2	—	—	
Tonsillitis .....	1	13	14	—	—	
Non-infectious .....	1	25	25	1	—	
Total .....	43	535	530	9	39	

### DISINFECTION.

Total visits to houses in connection with infectious diseases ...	2450
Total number of premises disinfected ... ... ... ...	806
Total articles of bedding, etc., disinfected ... ... ... ...	10545
Library books disinfected ... ... ... ...	359
Cyanide fumigation of household contents... ... ... ...	3 houses
Cleansing baths given to verminous persons (116 persons), scabies cases (735 persons) and persons removed to Council houses, etc. ... ... ... ...	3850
No. of articles (bedding, etc.) disinfested in respect of families removed from condemned property to Council houses ...	123

## PUBLIC HEALTH LABORATORY.

The following is a report by the Municipal Bacteriologist on the work of the Laboratory during 1942.

## I. General Statistics.

Sputa for tubercle bacilli	...	positive	99	
		negative	528	627
Swabs for diphtheria bacilli...		positive	288	
		negative	3,080	3,368
Virulence tests (diphtheria)...	...	...	...	32
Swabs other than diphtheria	...	...	...	452
Pus and Exudates	...	Microscopic	128	
		Culture	61	189
Urine	...	Microscopic	251	
		Culture	299	
		Chemical	1	
		For B. tuberculosis	22	573
Blood	...	Bacteriological	43	
		Cytological	12	
		Serological	27	
		Grouping	4	86
Cerebro-spinal Fluid		Cytological	73	
		Bacteriological	123	196
Fæces	...	Microscopic	6	
		Culture	188	194
Cultures for tubercle bacilli...	...	...	...	39
Tissues for histological examination		...	...	242
Vaccines	...	...	...	16
Waters for bacteriological examinations		...	...	119
Milks for reductase test	...	...	79	
" for bacterial count	...	...	8	
" for B. coli	...	...	70	
" microscopic for tubercle bacilli		...	45	
" biological for tubercle bacilli		...	135	337
Miscellaneous examinations*	...	...	...	53
			...	6,523
V.D. Specimens	...	...	...	3,568
			...	10,091

\*These include meat for culture, cow sputa, ice cream for bacteriological examination, sputa for pneumococci, catgut for sterility test, seminal fluids, cow bloods for microscopical and cultural examinations, and various animal experiments (pregnancy tests, T.B. inoculations, etc.).

## II. Source of the Specimens.

### (a) GENERAL :

	Burnley P.H. Dpt.	Burnley Municipal Hospitals.	Infectious Diseases & Clinics.	Victoria Hospital.	Private Prac- titioners.	Brierfield U.D.C.	Burnley R.D.C.	Colne Borough.	Others.	Totals.
Spurum—										
Positive .....	59	8	1	4	24	—	2	1	—	99
Negative .....	164	49	4	42	247	3	10	8	—	528
Swabs for K.L.B.—										
Positive .....	5	7	243	—	23	1	1	7	—	288
Negative .....	103	175	2470	29	233	3	10	49	3	3080
Virulence Tests	2	—	30	—	—	—	—	—	—	32
Other Swabs .....	1	253	29	141	26	—	—	—	2	452
Tissues .....	6	58	—	161	17	—	—	—	—	242
Pus and Exudates—										
Microscopical .....	—	20	3	105	—	—	—	—	—	128
Culture .....	—	17	3	40	—	—	—	—	1	61
Urine—										
Microscopical .....	1	127	5	109	8	—	—	—	1	251
Culture .....	3	128	61	99	7	—	—	—	1	299
Chemical .....	—	—	—	1	—	—	—	—	—	1
T.B. ....	—	—	3	16	—	—	—	—	—	22
Blood—										
Bacteriological .....	—	10	9	21	1	—	—	—	2	43
Cytological .....	—	—	3	2	7	—	—	—	—	12
Agglutination .....	1	4	6	10	2	—	2	—	—	27
Grouping .....	—	1	—	—	—	—	—	—	3	4
C.S. Fluid—										
Cytological .....	—	—	9	11	52	—	—	—	—	73
Bacteriological .....	—	18	31	72	1	—	—	—	1	123
Faeces—										
Microscopical .....	—	2	1	2	1	—	—	—	—	6
Culture .....	4	37	96	27	16	3	2	—	—	188
Cultures for T.B.	15	4	2	15	2	—	1	—	—	39
Vaccines .....	—	—	3	6	7	—	—	—	—	16
Various .....	36	3	2	8	—	—	—	—	—	49
Waters .....	100	—	—	—	—	—	13	2	4	119
Milks—										
Microscopical .....	45	—	—	—	—	—	—	—	—	45
T.B. Biological .....	134	—	—	—	—	—	—	—	1	135
B. Coli .....	60	—	—	—	—	—	—	—	7	70
M.B. Reductase .....	69	—	—	—	—	—	3	—	7	79
Count .....	1	—	2	—	—	—	—	—	7	8
Friedman Tests .....	—	—	—	—	2	—	—	—	—	4
Totals .....	809	938	3013	962	624	7	10	47	74	6523

## (b) V.D. SPECIMENS :

	Nature of Test.	Where for.	No. examined for				
			Burnley.	L.C.C.	W.R. C.C.	Others.	Total.
Microscopical.	For Spirochaetes.	Treatment Centre ...	20	4	—	1	25
		Hospitals, etc. ....	2	—	—	—	2
		Pte. Practitioners ...	—	—	—	—	—
	For Gonococci.	Treatment Centre ...	448	166	5	4	623
		Hospitals, etc. ....	91	18	—	—	109
		Pte. Practitioners ...	23	19	1	—	43
	For Trichomones Vaginalis.	Treatment Centre ...	30	17	—	—	47
		Hospitals, etc. ....	2	—	—	—	2
		Pte. Practitioners ...	—	—	—	—	—
	Cultures for Gonococci.	Treatment Centre ...	339	132	3	4	478
		Hospitals, etc. ....	59	12	—	—	71
		Pte. Practitioners ...	6	2	—	—	8
	Wasserman Reaction.	Treatment Centre ...	269	135	16	5	425
		Hospitals, etc. ....	308	165	27	—	500
		Pte. Practitioners ...	39	58	—	—	97
	Kahn Test.	Treatment Centre ...	267	132	16	5	420
		Hospitals, etc. ....	304	161	27	—	492
		Pte. Practitioners ...	38	58	—	—	96
	Gonococcus Complement Fixation Test.	Treatment Centre ...	4	6	1	—	11
		Hospitals, etc. ....	3	2	1	—	6
		Pte. Practitioners ...	—	1	—	—	1
	Wasserman Reaction.	Treatment Centre ...	4	2	—	—	6
		Hospitals, etc. ....	39	14	3	—	56
		Pte. Practitioners ...	1	1	—	—	2
	Cell Count.	Treatment Centre ...	4	2	—	—	6
		Hospitals, etc. ....	14	—	2	—	16
		Pte. Practitioners ...	—	—	—	—	—
	Protein Reactions.	Treatment Centre ...	4	2	—	—	6
		Hospitals. etc. ....	1	—	—	—	1
		Pte. Practitioners ...	—	—	—	—	—
	Colloidal Reactions.	Treatment Centre ...	4	2	—	—	6
		Hospitals, etc. ....	1	—	—	—	1
	Microscopical. Culture.	Treatment Centre ...	6	3	1	—	10
		Treatment Centre ...	1	1	—	—	2
Uries	TOTALS.....		2331	1115	103	19	3568

### III. Comparison of the last six years.

Year	1937	1938	1939	1940	1941	1942
General specimens ...	5,593	4,673	4,451	5,559	6,773	6,523
V.D. specimens ...	3,023	3,071	2,318	2,997	3,602	3,568
Totals ... ...	8,616	7,744	6,769	8,556	10,375	10,091

### IV. Samples of Milk Examined for Tuberclle Bacilli.

During the year, 91 animal inoculations were carried out from various bulk samples of milk, of which 9 or 9.9% were found to contain tubercle bacilli.

In addition 42 samples of milk from individual cows were submitted for biological examination by the Veterinary Officer. These samples were negative on microscopical examination, but 4 were found to be positive on animal inoculation.

### V. Bacteriological Examination of Samples of Milk.

These examinations were made by approved methods (Methylene Blue Reductase test and Coliform test).

The results of these examinations are tabulated below.

Grade of Milk.	Bacteriological Examinations for Cleanliness.		
	Satisfactory.	Unsatisfactory.	Total.
Accredited ... ... ...	2	9	11
Pasteurised ... ... ...	5	3	8
Ungraded ... ... ...	25	33	58
Tuberculin Tested ... ...	1	1	2
Totals ... ...	33	46	79

### VI.—Bacteriological Notes.

The adoption of modern methods for culturing Salmonellas, Dysentery and Diphtheria bacilli has led to a marked improvement of the laboratory diagnosis of these infections. As an illustration, the following figures, which are based on data only collected since November, 1942, are quoted:—

Of a total of 24 specimens which were found by the new medium (desoxycholate citrate agar) to contain dysentery bacilli, only 9 were positive when examined on the old medium (McConkey). A similar result was obtained in Typhoid infections; of 9 specimens positive with the new method\* only 3 were positive when examined by the old method†. Thus about 3/5ths and 2/3rds of

positive cases would have been missed in these two infections by the old technique. The figures for diphtheria are based on results collected since August, 1942; out of 150 positive cultures, 116 (77.3%) were positive on the old (Löffler) medium and 133 (88.7%) on the new (Tellurite) medium—an improvement of 11%. In spite of the superiority of the latter medium, cases are met with which fail to be detected by it whilst being positive on the Löffler medium. For this and other technical reasons, the practice of examining each specimen on both media is followed for the time being.

The value of the new methods is enhanced by the fact that their superiority is especially marked in cases where only scanty pathogens are present (contacts and carriers). The figures quoted justify the increased expenditure in time and material which some of these methods entail.

\*Direct plating on desoxycholate citrate agar and enrichment in tetrathionate broth followed by subculture on desoxycholate citrate agar.

†Direct plating on McConkey agar and enrichment in brilliant green peptone water followed by subculture on McConkey agar.

CLASSIFICATION OF DYSENTERY AND SALMONELLA CASES FROM BURNLEY AND DISTRICT OBSERVED IN 1942.

Dysentery ... ... ...	Flexner ... ... ... ...	7 cases.
	Flexner Newcastle ... ...	1 case.
	Flexner 103 ... ...	1 case.
	Sonne ... ... ...	13 cases.
Salmonellas ... ... ...	S. Typhi ... ... ...	4 cases.
	S. Newport ... ...	1 case.
	S. Typhi Murium ...	1 case.

## SECTION 7.

## TUBERCULOSIS.

The number of primary notifications during 1942 was 112. The localisation of disease, ages and sexes were:—

Age Periods	NEW CASES.						DEATHS.					
	Pulmonary.			Non-Pulmonary.			Pulmonary.			Non-Pulmonary.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
Under 1	1	—	1	—	—	—	—	—	—	—	—	—
1—5	—	—	—	2	1	3	—	—	—	—	—	—
5—10	1	1	2	5	3	8	—	—	—	—	3	3
10—15	—	1	1	3	4	7	—	—	—	1	—	1
15—20	5	7	12	—	2	2	—	4	4	1	1	2
20—25	4	7	11	—	1	1	2	4	6	—	—	—
25—35	11	6	17	4	3	7	11	3	14	1	—	1
35—45	13	4	17	2	2	4	8	4	12	1	2	3
45—55	10	3	13	1	—	1	8	2	10	2	1	3
55—65	8	1	9	—	—	—	9	2	11	1	1	2
65 and upwards	2	2	4	—	1	1	2	1	3	—	1	1
Total ...	55	32	87	17	17	34	40	20	60	7	9	16

In addition to the primary notifications, four cases were discovered after death through the Registrar's death returns, and ten were transferred from other areas. The total new cases were, therefore, 135, of which 94 were pulmonary and 41 non-pulmonary.

At the end of 1942 there remained on the Tuberculosis Notification Register in Burnley 362 cases as follows:—

Pulmonary.			Non-Pulmonary.			Total	
Males.	Females.	Total.	Males.	Females.	Total.	Cases.	
144	82	226	...	62	74	136	362

DEATHS.—Of the persons who died of pulmonary tuberculosis during 1942, 52% were notified only within a year previous to the date of death.

- The following Table gives particulars of the site and age distribution of those who died.

	—1	1—2	2—5	5—15	15—25	25—45	45—65	65—75	Over 75	Total
Respiratory System ...	—	—	—	—	10	26	21	3	—	60
Nervous System ...	—	—	—	2	1	1	—	—	—	4
Intestines and Peritoneum ... ...	—	—	—	—	—	2	1	—	—	3
Vertebral Column ...	—	—	—	—	—	—	1	1	—	2
Other Bones and Joints	—	—	—	—	—	1	1	—	—	2
Lymphatic System ...	—	—	—	1	—	—	—	—	—	1
Genito-Urinary System...	—	—	—	—	1	—	1	—	—	2
Disseminated ... ...	—	—	—	1	—	—	1	—	—	2
Total ... ...	—	—	—	4	12	30	26	4	—	76

Thirty-one deaths from tuberculosis of the respiratory system were new cases notified during the year. The average age at death of pulmonary cases was 41 years. The death rate from all forms of tuberculosis per 1,000 living was 0.95, compared with 0.83 in 1941. The death rate from pulmonary tuberculosis per 1,000 of the population was 0.74, and that from other forms of tuberculosis was 0.21.

#### **Public Health (Prevention of Tuberculosis) Regulations, 1925.**

It was not necessary to take any action under these regulations during 1942.

#### **Public Health Act, 1936, Section 172.**

It was not necessary for the Council to take any action during 1942 for the compulsory removal to hospital of any person suffering from tuberculosis.

### THE TUBERCULOSIS SCHEME.

The Scheme has been described in previous reports. No alteration has been made in the premises, days and hours on which the Dispensary is open, or in the sanatoria and hospital bed accommodation utilised. During 1942 an average of 55 beds was occupied.

**NEW CASES.**—The number of new cases and contacts seen at the Dispensary during the year was 352. 57 were examined as contacts. The corresponding figures last year are 362 new cases (including 90 contacts). 245 of the new cases were found not to be tuberculous.

Of the 352 new cases, 85 or 24.1% were children under 15 years of age. The sex distribution of the new cases is given below.

	Male.	Female.	Total.	Total
				1941.
Adults	147	120	267	270
Children (under 15),	39	46	85	92
	—	—	—	—
	186	166	352	362
	—	—	—	—

Work done at or in connection with the Tuberculosis Scheme:—

Number of times open	Day	150	199
	Evening	49	
Number of patients who attended	...	...	576
Number of attendances by patients...	...	...	1,704

Details of Work:—

Number of Examinations by the			
Tuberculosis Officer	...	...	1,642
Number of X-Ray Examinations	...	...	492

Visits paid by Nurse to Homes:—

For Dispensary purposes	...	...	2,889
Re Notifications under Tuberculosis			
Regulations	...	...	127

The following is a return showing the work of the Dispensary for the Year 1942, on similar lines to the returns now made quarterly to the Ministry of Health.

Return showing the work of the Dispensary during the year 1942.

Initial Reports received from Medical Practitioners on Form G.P. 17 in respect of insured patients	...	...	...	...	...	31
Progress Reports received from Medical Practitioners in respect of insured patients	...	...	...	...	...	47
Extra nourishment supplied to necessitous patients (cases received Milk)...	...	...	...	...	...	75
Cartons of Cod Liver Oil and Malt issued	...	...	...	...	...	237 lbs.
Sputum Cups issued	...	...	...	...	...	48
Paper Handkerchiefs issued	...	...	...	...	...	11,725
Bottles of Disinfectant	...	...	...	...	...	1,026

Air rings, bed pans, etc., are lent to necessitous patients.

### Home Nursing.

The services of the staff of the District Nursing Association are utilised for the nursing of tuberculosis patients in their own homes. During 1942 these nurses made 506 visits in respect of 23 cases.

### Dental Treatment for Tuberculous Persons.

No alteration in the arrangements for dental treatment has been made. The following are particulars of the work done:—

Number of cases under treatment	...	...	8
Number of attendances	...	...	20
Dentures supplied	...	...	1
Fillings	...	...	—
Extractions	...	...	32
Scalings	...	...	—
Dressings	...	...	—
Other Operations	...	...	12

A number of Burnley patients received dental treatment whilst undergoing treatment in Sanatoria.

**Supplies of Arsenobenzene Compounds.**

Three doctors on the approved list, together with the Medical Officers of the Hospitals availed themselves of this free supply. 80 doses were supplied to them.

**Venereal Diseases Act, 1917.**

No action has been taken during the year under the provisions of this Act.

## SECTION 9.

### MATERNITY AND CHILD WELFARE.

No changes in the methods of administration of the Maternity and Child Welfare Services were made during 1942. The attendances at Parker Street Infant Welfare Centre showed a gradual reduction over a number of years, due to some small, unhealthy, housing areas being cleared prior to the war and the families being transferred to new housing estates. As there are two other welfare centres within reasonable distance of the area served by the Parker Street Centre, the latter was closed in July, 1942, and a centre opened in Florence Street Chapel Hall. The Florence Street Centre serves several housing estates which previously did not have a centre within easy reach.

More than 70% of the attendances at the Infant Welfare Clinics were made by children in the first year of life. The total attendances were 11,580, which is 219 less than in the previous year, and considerably less than in the years immediately preceding the war. The attendances may be considered to be satisfactory, considering the number of mothers of young children who are employed in industry and the reluctance of mothers to attend in the afternoons of the winter months when "black-out" conditions make their return home difficult.

More expectant mothers attended the ante-natal clinics than in the previous year.

The Health Visitors made 17,174 routine infant visits, of which 5,851 were to children under one year of age and 11,323 to children between the ages of one and five years. In addition, they made 1,070 ante-natal visits, 216 visits to cases of infectious disease, etc., and 137 special visits.

The notified births were 1,152, fifty-six more than in the previous year.

The various maternity and child welfare services were described fully in previous reports. In this report I submit merely a summary of statistics for the clinics, visits made by the staff, confinements attended, etc.

#### **Births.**

Number of births *notified*, after adjustment for transferred notifications, 1,152 (1,105 live births and 47 still births).

The 1,152 live and still births were notified by the following:—

Midwives	...	...	...	...	581
Doctors and Parents	...	...	...	...	55
Municipal Maternity and General Hospitals					516
					1,152

Number of births *registered*, after adjustment for transferred registrations, 1,162 (1,124 live births and 38 still births).

#### **Attendance at Birth.**

Enquiries made by the Health Visitors showed that of the 1,184 confinements which occurred in the Borough,

3 were attended by doctors only.

133 were attended by both doctors and midwives.

418 were attended by midwives only.

630 occurred in the Bank Hall Maternity and the Municipal General Hospitals.

#### **Midwives' Acts.**

Twenty-nine midwives notified their intention to practise midwifery during 1942. These were employed as follows :—

In Municipal General and Maternity Hospitals	...	...	20
As whole-time domiciliary Municipal Midwives	...	...	6
In Private Practice	...	...	3

#### **Domiciliary Midwifery.**

At the end of 1941, the number of midwives employed by the Council was seven, but this number was reduced to six, and again increased to seven in March, 1943.

A total of 1,184 confinements occurred in the Borough, including cases which came into the town from other areas for their confinements. Of these, 630 took place in institutions, 453 were attended by the six whole-time midwives employed by the Authority in domiciliary midwifery (373 as midwives and 80 as maternity cases); 98 by midwives in private practice and 3 by doctors only.

Thirty-five routine visits were paid by the Supervisor to the midwives during the year. The Supervisor also interviewed midwives at the Health Office weekly. No midwife was suspended from practice.

### Medical Aid Summoned by Midwives.

One hundred and fifty records of sending for medical aid under Rule E. 12 of the Central Midwives' Board were received from the midwives in respect of domiciliary cases. Of these 128 were on account of complications or difficult conditions of the mothers and 22 of conditions in the new born infants.

### Bank Hall Maternity Hospital.

The admissions, discharges and deaths of maternity cases are as follows :—

In Hospital on 1st January, 1942...	...	...	23
Women admitted ...	...	...	627
Discharges ...	...	...	608
Deaths ...	...	...	4
Remaining in Hospital on 31st December, 1942...			38
Number admitted for Ante-Natal Treatment ...			35
Number of women delivered during the year ...			596
Average duration of stay ...	...	...	16.5 days

One hundred and four of the Maternity Hospital cases were emergency cases, admitted on account of some complication arising shortly before or after the onset of labour, and 11 cases were admitted without any previous booking or ante-natal supervision. Apart from these, all women who were admitted had engaged beds previously and received ante-natal supervision at the clinic attached to the Hospital.

Of the 627 admissions to the Maternity Hospital, 124 (20%) were patients from adjacent districts.

### Training of Midwives.

Bank Hall Maternity Hospital is approved by the Central Midwives Board for the first period of training under the Board's new rules. Only general trained nurses are accepted and a small salary is paid. The number of midwifery pupils under training was :—

No. undergoing training on 1st January, 1942	...	...	12
No. commenced during 1942	...	...	32
No. completed training during 1942	...	...	22
No. who obtained C.M.B. First Period Certificate during 1942			19

## Ante-natal and Post-natal Care.

## (a) Clinics.

Clinic	Times Open	Number of Expectant Mothers			Post-natal		Total Attendances	Average per Session
		Attending	Attending for the first time	Subsequent Attendances	No. Attending	Attendances		
Bank Hall Clinic	105	858	710	4081	229	259	5050	48.1
Parker Street ...	26	15	13	19	1	1	33	—
*Rosegrove ...	51	9	9	26	4	4	39	—
<b>TOTALS ...</b>	<b>182</b>	<b>882</b>	<b>732</b>	<b>4126</b>	<b>234</b>	<b>264</b>	<b>5122</b>	<b>—</b>

\*Ante-natal cases seen during Infant Welfare Sessions at Rosegrove Infant Welfare Centre.

## (b) General Practitioner Scheme.

Women Examined.		Total Number of examinations by private medical practitioners.
Ante-natal.	Post-natal.	
194	4	273

The six Municipal Midwives, in addition to referring their patients to general medical practitioners and ante-natal clinics for examination, themselves made 3,904 ante-natal examinations, either in the patients' homes or in their own consulting rooms; and in addition to 8,577 visits in the puerperium they made 566 post-natal visits.

The percentage of expectant mothers who attended the Ante-natal Clinics was 73% of the notified births. The percentage examined under the General Practitioner Ante-natal Scheme was 17%. Therefore the total number of expectant mothers who received ante-natal supervision through the Schemes of the Local Authority represented 90% of the births notified during the year.

## Services of Consulting Obstetrician

The obstetrical specialist is paid an inclusive salary to cover all the consulting and operative work performed for the Local Authority in the Maternity Hospital, the Ante-natal Clinic, the Municipal General Hospital and in connection with domiciliary supervision of women during pregnancy, labour and the puerperium.

In addition to examining cases referred to him at the Ante-natal Clinic, he was called in consultation by medical practitioners at patients' homes on twelve occasions. The cases on which his opinion and assistance were sought were:—

'Diagnosis of Pregnancy	...	...	...	...	1
Pseudocyesis	...	...	...	...	1
Delayed Labour	...	...	...	...	1
Breech with Extended Legs	...	...	...	...	1
Post-mature (Anencephalic foetus)	...	...	...	...	1
Complete Perineal Tear	...	...	...	...	1
Hyperemesis Gravidarum...	...	...	...	...	3
Chronic Nephritis...	...	...	...	...	1
Acute Pyelitis	...	...	...	...	1
Post-partum Backache	...	...	...	...	1

#### **Maternal Mortality.**

Five women died in consequence of pregnancy or childbirth. All these deaths were investigated and reports forwarded to the Ministry of Health. Three were Burnley residents and two were cases sent into the Maternity Hospital from adjoining areas on account of complications. Four of the deaths occurred in the Maternity Hospital and one in the Municipal General Hospital.

#### **Puerperal Pyrexia.**

Twenty-five cases of puerperal pyrexia were notified, this number being four less than in the previous year.

#### **Still-Births.**

Forty-seven still-births (after adjustment for transferred notifications) were notified in 1912 as compared with 60 in 1941. Enquiry was made to elicit any factors which contributed to the still-births.

#### **Infant Welfare Centres.**

Statistics of the attendances at the Infant Welfare Centres are given on page 64.

One hundred and three pre-school children made 598 attendances at the School Clinic for treatment of minor ailments.

#### **Toddlers' Clinic.**

Twenty-five sessions were held, at which 82 children were examined, 65 of whom were found to require treatment or observation.

Four children had defective teeth; 15 had defects of the nose and throat; 10 had strabismus; and none were anaemic. 21 children had minor deformities; 45 had excellent nutrition; 29 normal, and 8 subnormal.

**PARTICULARS OF WORK AT THE INFANT WELFARE CENTRES DURING THE YEAR ARE AS FOLLOWS:—**

CENTRE.	No. of Sessions	ATTENDANCES			No. of Doctors' Consultations			No. of Doctors' Consultations			No. in attendance at end of year and who were				
		Under 1 yr.	1-2 yrs.	2-3 yrs.	Subse- quent	Subse- quent	Subse- quent	Infants	Children over 1 yr.	Infants	Children over 1 yr.	Infants	Children over 1 yr.	Years	
Mount Olivet	52	98	1237	8	219	2	147	2	133	5	50	115	1786	1901	36.56
Rosegrove ...	51	82	1032	9	308	6	187	4	107	3	74	104	1710	1814	35.57
Ebenezer ...	51	111	1740	9	247	8	376	5	152	2	19	135	2534	2669	52.23
Mt. Pleasant..	52	107	961	18	308	20	173	9	160	2	34	156	1636	1792	34.42
Florence St. ..	52	47	540	14	103	6	52	2	20	—	—	69	715	784	15.08
Bank Hall ...	101	196	2077	23	256	5	45	3	10	1	4	228	2392	2620	25.94
TOTAL ...	359	641	7587	81	1441	47	980	25	582	13	181	807	10773	11580	32.26
													2103	898	3198
													3330	536	1103

### Meals, Cod Liver Oil, etc., for Children and Expectant and Nursing Mothers.

Owing to the absence of unemployment, the number of meals supplied to mothers and children was much less than in previous years. Cod Liver Oil, Adexolin and Iron powders were supplied to suitable cases. During 1942, 477 lbs. of Cod Liver Oil and Malt, 30 pints of Emulsion and 320 cartons of Adexolin were issued.

Eleven children and eleven mothers were supplied with meals. The total number of meals supplied was 1,008, at a cost of £26.

### Home Nursing, Home Helps.

The District Nurses attended 15 mothers and 38 babies, making altogether 1,526 domiciliary visits. No home help was supplied during 1942.

### Dental Treatment.

	No. of Cases			Attend- ances	Extrac- tions	Fillings etc.	Dentures Supplied
	Old	New	Total				
Mothers ...	11	35	46	100	138	12	8
Children ...	—	21	21	32	40	1	—

### Ophthalmia Neonatorum.

Twenty-five cases were notified during the year. Seventeen occurred in hospital and five were removed from their homes to hospital for treatment. The district nurses attended all the cases who were nursed at home.

The incidence and the results of treatment are as follows:—

Cases notified ... ... ...	25	Vision impaired ... ... ...	—
Rate per 1000 registered births	22.2	Vision lost ... ... ...	—
Treated at home ... ... ...	3	Under treatment at end of year	—
Treated in Hospital ... ... ...	22	Deaths ... ... ...	—
Vision unimpaired ... ... ...	25	Left town before completion of treatment ... ... ...	—

### Pemphigus Neonatorum.

Five cases occurred during 1942.

### Child Life Protection.

No. of persons who were receiving children for reward at the end of the year	...	...	...	...	23
No. of children ...	...	...	...	...	23
Visits made by Health Visitor ...	...	...	...	...	83

**Boarded-out Children.**

Number of children boarded-out in Burnley on 31st December, 1942 :—

Burnley Public Assistance Cases...	...	...	...	8
Lancashire County Public Assistance Cases	...	...	...	4
Blackpool Public Assistance Cases	...	...	...	1
				—
				13
				—
Visits made by Health Visitors ...	...	...		136

**Actino-Therapy and X-Ray Examinations.**

For details of arrangements see previous reports.

One hundred and seventy-six pre-school children and 55 mothers received treatment. 2,536 attendances were made.

Ninety-one mothers and one child referred from the Welfare Centres were X-Rayed at the Municipal General Hospital

**Orthopædic Treatment.**

No changes have been effected in the Orthopædic scheme during 1942. A report on the work of the Orthopædic Clinic, with separate statistics of school children and children under school age, are given in my Report as School Medical Officer, which is bound with this Report.

DETAILS OF THE WORK OF HEALTH VISITORS  
DURING 1942.

## MATERNITY AND CHILD WELFARE

Visits to newly born infants ...	...	1,090
Re-visits—1st year ...	...	4,761
2nd ,,	...	3,204
3rd ,,	...	3,131
4th ,,	...	2,689
5th ,,	...	2,299
	...	17,174

#### Visits in connection with:—

Ophthalmia Neonatorum	...	...	...	...	...	...	25
Pemphigus Neonatorum	...	...	...	...	...	...	66
Measles	...	...	...	...	...	...	93
Diphtheria Immunisation	...	...	...	...	...	...	1389
Whooping Cough	...	...	...	...	...	...	94
Infantile deaths	...	...	...	...	...	...	44
Still-births	...	...	...	...	...	...	27
Puerperal Pyrexia	...	...	...	...	...	...	4
Midwives	...	...	...	...	...	...	35
Ante-natal cases (519 visits re admissions to Maternity Hospital)	...	...	...	...	...	...	1,070
Child Life Protection cases	...	...	...	...	...	...	83
Number of Sessions at the Infant Welfare Centres	...	...	...	...	...	...	258
Number of Attendances at the Centres by the Health Visitors	...	...	...	...	...	...	319
Number of Attendances at the Nursery Schools by Health Visitors	...	...	...	...	...	...	238

## TUBERCULOSIS.

Number of Sessions held at the Dispensary (Day, 150; Evening, 49)	199
Visits to Tuberculous cases :—	
Notification under Tuberculosis Regulations	127
For Dispensary purposes	2889
	—
	3016
Patients' Attendances at Dispensary	1704

## SCHOOL MEDICAL SERVICE.

Number of days on which the School Clinic was open	...	...	...	310
Number of attendances at Clinic	...	...	...	38,264
Number of visits paid to School Children	...	...	...	4,614
Special visits to Schools for Cleanliness Inspection	...	...	...	124
Number of children examined at Cleanliness Inspection	...	..	..	32,991

## PUBLIC ASSISTANCE.

Visits to Boarded-out Children	...	...	...	...	...	136
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## HOUSING.

Visits by Lady Supervisor to Corporation Houses	...	...	...	5,035
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## APPENDICES.

## REGISTRAR GENERAL'S SHORT LIST.

## CLASSIFICATION OF CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE COUNTY BOROUGH OF BURNLEY DURING 1942.

Causes of Death.	Sex	0—	1—	5—	15—	45—	65—	All Ages
1 Typhoid and Paratyphoid Fevers ... ... ...	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
2 Cerebro-Spinal Fever ... ...	M	—	4	1	—	—	—	5
	F	1	—	—	—	1	—	2
3 Scarlet Fever ... ... ...	M	—	—	—	—	—	—	—
	F	—	—	1	—	—	—	1
4 Whooping Cough ... ...	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
5 Diphtheria ... ... ...	M	—	1	—	—	—	—	1
	F	—	1	—	—	—	—	1
6 Tuberculosis of Respiratory System ... ... ...	M	—	—	—	20	14	2	36
	F	—	—	—	14	4	1	19
7 Other forms of Tuberculosis	M	—	—	—	5	3	—	8
	F	—	—	3	3	3	1	10
8 Syphilitic Diseases ... ...	M	—	—	—	—	4	2	6
	F	—	—	—	—	1	—	1
9 Influenza ... ... ...	M	—	1	—	—	2	—	3
	F	—	—	—	—	1	2	3
10 Measles ... ... ...	M	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	1
11 Acute Poliomyelitis and Polio-Enceph. ... ...	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
12 Acute Inf. Encephalitis ...	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
13 Cancer, Buccal Cavity, etc., Oesoph. (M) and Uterus (F)	M	—	—	—	1	4	5	10
	F	—	—	—	2	8	1	11
14 Cancer, Stomach, Duodenum	M	—	—	—	3	6	13	22
	F	—	—	—	1	6	8	15
15 Cancer of Breast... ...	F	—	—	—	2	8	2	12
16 Cancer of all other sites ...	M	—	—	—	2	28	17	47
	F	—	—	—	8	19	17	44
17 Diabetes ... ... ...	M	—	—	—	—	1	6	7
	F	—	—	—	—	6	6	12
18 Intra-cranial Vascular Lesions ... ...	M	1	—	—	—	21	19	41
	F	—	—	—	2	16	54	72

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE COUNTY BOROUGH  
OF BURNLEY.—(Continued).

Causes of Death.	Sex	0—	1—	5—	15—	45—	65—	All Ages
19 Heart Disease ... ... ...	M	—	—	—	3	56	115	174
	F	—	—	1	11	40	109	161
20 Other Diseases of Circulatory System ... ... ...	M	—	—	—	—	4	10	14
	F	—	—	—	1	3	9	13
21 Bronchitis ... ... ...	M	1	—	—	6	21	21	49
	F	3	—	—	1	6	28	38
22 Pneumonia ... ... ...	M	1	3	—	2	5	5	16
	F	2	—	—	1	4	3	10
23 Other Respiratory Diseases...	M	—	—	—	1	5	3	9
	F	—	—	—	—	2	1	3
24 Ulcer of Stomach or Duodenum ... ... ...	M	—	—	—	3	5	4	12
	F	—	—	—	1	2	—	3
25 Diarrhoea, under 2 years ...	M	2	—	—	—	—	—	2
	F	1	—	—	—	—	—	1
26 Appendicitis .. ... ...	M	—	—	1	—	1	—	2
	F	—	—	—	3	2	1	6
27 Other Digestive Diseases ...	M	—	—	—	2	6	9	17
	F	—	—	—	—	9	7	16
28 Nephritis ... ... ...	M	—	—	—	1	8	3	12
	F	—	—	—	1	9	6	16
29 Puerperal & Post-abort. Sepsis	F	—	—	—	1	—	—	1
30 Other Maternal Causes ...	F	—	—	—	2	—	—	2
31 Premature Birth ... ... ...	M	15	—	—	—	—	—	15
	F	10	—	—	—	—	—	10
32 Congenital Mal., Birth Injuries, etc.... ...	M	10	—	—	—	—	—	10
	F	12	1	—	—	—	—	13
33 Suicide ... ... ... ...	M	—	—	—	3	7	2	12
	F	—	—	—	1	2	1	4
34 Road Traffic Accidents ...	M	—	—	1	1	2	1	5
	F	—	—	—	1	—	—	1
35 Other Violent Causes... ...	M	2	1	—	6	1	8	18
	F	—	—	—	1	2	13	16
36 All Other Causes ... ...	M	6	1	2	10	11	53	83
	F	2	—	1	9	11	55	78
TOTAL (all causes) ..	M	38	11	5	69	215	298	636
	F	32	2	6	66	165	325	596

Total cases removed to Isolation Hospital

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## NOTIFIABLE INFECTIOUS DISEASES DURING 1942 (Excluding Non-Civilians)—Continued.

Acute Poliomyelitis	Notified	—	—	—	—	—	—	—	—	—	—	—	—
	Deaths	—	—	—	—	—	—	—	—	—	—	—	—
Acute Primary Pneumonia	Notified	144	6	11	7	9	5	27	8	9	14	11	31
	Deaths	34	3	2	1	1	—	—	—	1	3	13	6
Acute Influenza Pneumonia	Notified	4	—	—	—	—	—	—	1	—	—	3	—
	Deaths	1	—	—	—	—	—	—	—	—	1	—	4
Malaria	Notified	—	—	—	—	—	—	—	—	—	—	—	—
	Deaths	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	Notified	11	1	1	2	1	—	—	1	—	3	2	—
	Deaths	—	—	—	—	—	—	—	—	—	—	—	10
Polio-Encephalitis	Notified	1	—	—	—	—	—	—	—	—	—	—	—
	Deaths	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	Notified	—	—	—	—	—	—	—	—	—	—	—	—
	Deaths	—	—	—	—	—	—	—	—	—	—	—	—
Measles	Notified	623	26	34	59	94	108	273	18	7	4	—	9
	Deaths	1	1	—	—	—	—	—	—	—	—	—	—
German Measles	Notified	244	8	8	22	22	22	132	26	4	9	4	1
	Deaths	—	—	—	—	—	—	—	—	—	—	—	14
Males	Notified	55	1	—	—	—	—	—	1	—	5	15	13
	Deaths	40	—	—	—	—	—	—	—	—	—	13	8
Females	Notified	32	—	—	—	—	—	—	1	1	7	13	4
	Deaths	20	—	—	—	—	—	—	—	4	7	4	2
Males	Notified	17	—	—	—	—	—	—	1	5	3	—	4
	Deaths	7	—	—	—	—	—	—	—	1	1	1	3
Females	Notified	17	—	—	—	—	—	—	1	—	3	—	—
	Deaths	9	—	—	—	—	—	—	—	3	—	1	1
TOTALS	Notified	1,816	76	62	103	161	180	676	208	70	123	55	84
	Deaths	122	5	4	3	3	—	3	—	2	2	6	18

+Other Forms  
of Tuberculosis

8

10

1

14

534

**Extract from the Report of the Medical Superintendent of the Burnley Joint Hospital Board, 1942.**

Notifications in the Areas of the Constituent Authorities and the numbers isolated in Hospital.

	Scarlet Fever.		Diphtheria.	
	Total Notified	Total Isolated	Total Notified	Total Isolated
Burnley County Borough ... ... ...	486	342	50	35
Nelson Borough ... ... ...	154	84	39	33
Colne Borough ... ... ...	58	44	13	11
Brierfield Urban District ... ... ...	17	10	1	1
Padiham Urban District ... ...	132	97	2	2
Barrowford Urban District ... ...	22	8	2	2
Trawden Urban District ... ...	5	4	—	—
Burnley Rural District ... ... ...	71	41	1	1

Total cases treated in the Burnley District Infectious Diseases Hospital during 1942.

Remaining in Hospital at the end of 1941.	Admissions	Discharges	Deaths	Remaining in Hospital at the end of 1942.	Average stay in Hospital of Patients discharged (days).
93	963	966	19	71	28.5

POLICE COURT PROCEEDINGS, 1942.

Case.	Act, Byelaw or Regulation under which proceedings are taken.	Offence.	Result.
1	Public Health Act, 1936, Sections 91 to 94...	Nuisance caused by filthy condition of house ... ... ... ...	House cleansed. Case dismissed on payment of 3s. 6d. costs.
2	Food and Drugs Act, 1938, Section 3	Selling milk which contained 9.0% of added water and which was 15.0% deficient in fat...	Fined £10 and £4 14s. 0d. costs. Total, £14 14s. 0d.
3	Food and Drugs Act, 1938, Section 3	Selling milk which contained 6.0% of added water ... ... ...	These 4 samples were obtained from the same vendor, who was fined £20 and £4 4s. 0d. costs in Case 3. Cases 4, 5 and 6 were dismissed on payment of costs of 4s. each.
4	Food and Drugs Act, 1938, Section 3	Selling milk which contained 12.0% of added water ... ... ...	
5	Food and Drugs Act, 1938, Section 3	Selling milk which contained 8.0% of added water ... ... ...	
6	Food and Drugs Act, 1938, Section 3	Selling milk which contained 7.0% of added water ... ... ...	
7	Food and Drugs Act, 1938, Section 3	Selling milk which contained 4.0% of added water ... ... ...	Dismissed. Defendant awarded £3 3s. 0d. costs.
8	Vaccination Acts, 1867, Section 31	Failure to have child vaccinated...	Order made by Magistrates. Fined 10s., including costs.
9	do.	do.	Adjourned. Parent subsequently had child vaccinated.
10	do.	do.	Adjourned. Parent subsequently had child vaccinated.



COUNTY BOROUGH OF BURNLEY.

Local Education Authority

MEDICAL OFFICER'S  
REPORT

1942

D. C. LAMONT, M.B., Ch.B., D.P.H.,  
SCHOOL MEDICAL OFFICER

## THE EDUCATION COMMITTEE

FOR THE MUNICIPAL YEAR 1942-43.

IS CONSTITUTED AS FOLLOWS :—

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\*COUNCILLOR W. CROSSLEY, Vice-Chairman.  
\*ALDERMAN MRS. M. BROWN, J.P.  
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REV. B. E. HUGHES, M.A., B.D.  
MR. J. W. HALL.

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\*Members of the Special Services Sub-Committee.

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PUBLIC HEALTH DEPARTMENT,

BURNLEY,

October, 1943.

TO THE CHAIRMAN AND MEMBERS OF THE EDUCATION COMMITTEE,

LADIES AND GENTLEMEN,

I have the honour to present my report on the work of the School Medical Service for the year 1942. It is again an abridged report, much of it being statistical.

Despite war-time conditions it has been possible to maintain the same number of personnel on the work of the school medical department as in pre-war days, but in the dental section, one whole-time dental surgeon, who is on war service, has been replaced by a part-time dental surgeon.

The general health of the school population has not suffered as the result of war-time conditions. No increase has occurred in serious organic diseases and there were no abnormal epidemics of infectious diseases. It is gratifying to find, on reviewing the statistics of the heights and weights of the children, that not only were the average heights and weights maintained, but that, with only two minor exceptions, both showed increases over the averages of previous years.

The records of the nutritional condition of the children show that 71% of elementary and 72% of secondary school children had normal nutrition. For both elementary and secondary school children the percentages recorded as being of excellent nutrition (21.9% of elementary and 20.4% of secondary school children) were higher than in any of the previous seven years, during which records have been kept. 6.9% of the elementary and 7.5% of the secondary scholars were found to have subnormal nutrition. The percentage of elementary school children showing subnormal nutrition is the lowest recorded in the last eight years.

Scabies, which is a parasitic skin disease, continues to be prevalent and it was necessary to treat 249 school children at the Disinfection Station.

14.6% of the elementary school children, and 6.3% of the secondary school pupils were found to require treatment for defects other than defects of nutrition and dental diseases. 5.6% of the elementary school children, and 4.9% of the secondary school pupils inspected had defects of vision.

I have to thank you once again for your support during the year, and the Director of Education and the teaching staffs of the schools for their helpful co-operation. The School Medical Staff have carried out their duties conscientiously.

I am, Ladies and Gentlemen,

Your obedient Servant,

D. C. LAMONT,

School Medical Officer.

## GENERAL INFORMATION.

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### SCHOLARS.

Number of Elementary and Special School Children on roll on the 31st December, 1942, 9,808. Average attendance during the year, 8,450.

### SCHOOLS.

**Elementary.**—Council Schools, 14; Non-Provided Schools, 13; Number of Departments, 50.

**Secondary.**—Grammar School for Boys; High School for Girls; Junior Commercial Department of the Municipal College.

**Special.**—One School for the Blind and Partially Sighted, one School for the Deaf and Partially Deaf, one Open Air School, one School for Mentally Defective Children, two classes in Elementary Schools for dull and backward children, one Nursery School and 12 nursery classes in elementary schools.

### SCHOOL CLINIC.

All the clinics of the School Medical Service, with the exception of artificial sunlight treatment and the bathing of verminous children and those suffering from scabies, are centralised in the Elizabeth Street premises.

The total number of attendances of school and pre-school children at the various clinics was 38,264.

The School Clinic was open on 310 days.

**List of Clinics.**—No changes have been made in the clinics or their location and times.

## REPORT.

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### STAFF OF THE SCHOOL MEDICAL SERVICE.

Medical Officer of Health and School Medical Officer :—

D. C. LAMONT, M.B., Ch.B., D.P.H.

Assistant School Medical Officers :—

G. GEMMILL, M.B., Ch.B., D.P.H.

A. EUSTACE, M.B., Ch.B., B.A.O., B.Sc., D.P.H.

**School Dentists :—**

HENRY A. BOLTON, L.D.S. (H.M. Forces, from November, 1941).  
 ANNIE M. KEAN, L.D.S.  
 J. B. JACKSON, L.D.S. (Part-time).

**Ophthalmic Specialist (part-time) :—**

K. R. BROWN, M.B., D.O.M.S., D.O.

Four Health Visitor-School Nurses; one Orthopædic Nurse; one Orthoptist (part-time); three Clerks; two Dental Clerk-Attendants.

No change was made in 1942 in the allocation of the work between the medical officers and between dental surgeons. (For details see previous reports).

**CO-ORDINATION WITH OTHER HEALTH SERVICES.**

This has been described in previous reports, and has continued uninterruptedly during 1942.

**THE SCHOOL MEDICAL SERVICE IN RELATION TO THE PUBLIC ELEMENTARY SCHOOLS.**

**School Hygiene and Sanitary Accommodation.**

Trough closets still remain in St. Stephen's, Holy Trinity and St. Augustine's Schools.

No dual tables or dual desks were substituted for long desks during the year.

One hundred and twenty-five visits were paid by the sanitary inspectors to schools, during which the following defects were found :—

Blocked drains ...	...	...	...	...	...	...	4
Defective urinals and closets ...	...	...	...	...	...	...	5
Other defects ...	...	...	...	...	...	...	2
							—
							11
							—

All these defects were remedied.

## MEDICAL INSPECTION IN SCHOOLS.

Routine medical inspection of children in all the elementary schools was carried out, as in former years, and the procedure adopted for the re-examination of children requiring treatment or to be kept under observation continued unaltered during 1942.

The number of children on the roll of the elementary and special schools at the end of 1942 was 121 less than at the end of 1941. The following table shows the number inspected under the various age groups, with a comparison for the previous year.

Code Groups.				Total		Total	
Entrants :		Boys	Girls	1942	1941	Boys	Girls
Age 3 years	...	56	44	100	70		
„ 4 „	...	167	134	301	232		
„ 5 „	...	334	311	645	517		
„ 6 „	...	103	99	202	159		
„ 7 „	...	32	39	71	89		
		692	627	1319	1067		
		—	—	—	—		
Intermediates :				Total		Total	
Leavers :		Boys	Girls	1942	1941	Boys	Girls
Age 8 years	...	446	413	859	786		
„ 9 „	...	96	70	166	157		
		542	483	1025	943		
		—	—	—	—		
Others				Total		Total	
Total Routine	...	32	30	62	...	108	
Inspections	...	1683	1559	3242	...	2916	

### Other Inspections.

No. of Special Inspections :	1942	1941
At Schools ... ... ...	52	... 62
At School Clinic ... ... ...	2599	... 2756
	—	—
	2651	... 2818
	—	—

### No. of Re-Inspections :

At Schools ... ... ...	4046	... 5507
At School Clinic ... ... ...	1155	... 1267
	—	—
	5201	... 6774
	—	—

### Visits of the Medical Officer.

The number of visits paid to the Elementary Schools were :—

For Routine Medical Inspection : Morning	128	Afternoon	61	=	189
For "Following-up" Defects : ,,	22	,,	7	=	29
					—
					218
					—

In addition to the 29 special visits to schools for the following-up defects, the Medical Officer saw, at the completion of the routine inspections in each school, children who required supervision on account of defects found at a previous inspection.

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### REVIEW OF THE FACTS DISCLOSED BY MEDICAL INSPECTION.

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#### Routine and Special Inspections in the Elementary Schools.

The following is a summary of the defects found in 1942 compared with the previous year :—

	1942	1941
1. Total number of children examined at routine and special inspections ... ...	3294	... 2978

2. Number of children suffering from	1942			1941		
	No.	%	No.	%		
Uncleanliness	2	0.1	7	0.2		
Skin Disease	54	1.6	54	1.8		
External Eye Disease	18	0.5	19	0.6		
Defective Vision (including Squint)	193	5.9	98	3.3		
Ear Disease	25	0.8	28	0.9		
Nose and Throat Disease	579	17.6	413	13.9		
Enlarged Glands	112	3.4	126	4.2		
Defective Speech	33	1.0	46	1.5		
Heart Disease	54	1.6	26	0.9		
Anæmia	16	0.5	12	0.4		
Lung Disease (Non-Tub.)	73	2.2	79	2.6		
Tuberculosis :						
Pulmonary Definite	—	—	—	—		
,, Suspected	14	0.4	1	—		
Non-Pulmonary	—	—	5	0.2		
Diseases of Nervous System	5	0.2	7	0.2		
Deformities	123	3.7	138	4.6		
Other Defects and Diseases	138	4.2	61	2.0		

As regards **routine** inspections, the percentage of children found to require treatment, excluding nutrition, uncleanliness and dental disease, was 17.1 in the Entrants' Group, 15.5 in the Intermediate Group, 8.9 in the Leavers' Group; the percentage for the total code groups being 14.4. The percentage found to require treatment showed a decrease in each age group on the figures for the previous year.

**Uncleanliness.**—The nurses made 124 cleanliness surveys of children in elementary and special schools, and carried out 32,991 inspections of children's heads and bodies. 347 individual children were found to be unclean. In 10 instances vermin were found, and in 1,353 instances nits were present in the hair. The percentage of children showing evidence of infestation with vermin was only 0.03%. 539 notices giving advice as to the best means of getting rid of vermin and nits were sent to parents, and where necessary, these were followed up by personal visits by the nurses to the homes. A more strongly worded notice to parents was sent on 14 occasions on which re-inspection by the nurses showed that children were still verminous. One child was cleansed and disinfested at the Cleansing Station on account of verminous condition, and 249 were given baths and treatment for Scabies.

**Physical Defects.**—The summary given above shows that there have been more defects found than in the previous year. The percentage of children with nose, throat and eye defects requiring treatment was higher than that for 1941. Respiratory diseases of a non-tuberculous nature were again fewer than in recent years.

Although 193 children were found on inspection to have defective vision and squint, only 109 cases were sufficiently severe as to necessitate their being referred to the ophthalmic specialist officer. The routine of following up cases of defective vision and ensuring that spectacles are worn, and broken spectacles replaced, has been continued.

During inspection in the schools 33 children were found to have stammer or other defects of articulation, and an additional 28 were ascertained through the clinics, etc. Suitable cases were referred to the Speech Therapist. (See page 30).

**Clothing and Footgear.**—Again during 1942, as in the previous year, careful inspection was made by the Assistant Medical Officer of the clothing and footgear of elementary school children to see if war conditions were causing children to be badly or insufficiently clad. An analysis of the findings in respect of 3,242 children shows:—

	Clothing.		Footgear.		
	No. of Children	%	No. of Children	%	
Children classified as very good .....	435	13·4	...	436	13·4
Children classified as good .....	2779	85·7	...	2775	85·6
Children classified as defective .....	28	0·9	...	29	0·9
Children classified as very defective ...	—	—	...	2	0·1

**Height and Weight.**—The following table shows the averages of the children medically inspected, compared with those of 1941. It is satisfactory to find that in the third year of war the average heights and weights of the children are generally not only maintained but, with only two minor exceptions, show increases over the averages for the previous year.

**Average Height and Weight of Children Age 5 Years.**

	Boys 1941	Boys 1942	Girls 1941	Girls 1942
Number Inspected .....	252	334	265	311
Average Weight in pounds ....	42·2	42·8	42·1	42·6
Average Height in inches .....	42·9	42·6	40·9	42·6

**Average Height and Weight of Children Age 8 Years.**

	Boys 1941	Boys 1942	Girls 1941	Girls 1942
Number Inspected .....	403	...	446	...
Average Height in inches .....	49.4	...	49.5	...
Average Weight in pounds ....	55.9	...	57.8	...

**Average Height and Weight of Children Age 12 Years.**

	Boys 1941	Boys 1942	Girls 1941	Girls 1942
Number Inspected .....	346	...	340	...
Average Height in inches .....	55.9	...	56.6	...
Average Weight in pounds ....	78.5	...	79.3	...

**Nutrition.**—For the eighth year in succession statistics of the nutritional condition of children have been kept on a uniform method of classification. In 1941 it was found that the percentage of children with excellent nutrition had decreased considerably. It is gratifying to note that in 1942 the percentage with excellent nutrition has increased and is in fact higher than in any of the previous seven years, and the percentage with subnormal nutrition is the lowest recorded.

	1935	1936	1937	1938	1939	1940	1941	1942
Total Number of Children inspected...	3700	3194	3335	3279	2918	2860	2916	3242
Percentage of children inspected who were found to have :—	Excellent Nutrition	7.8	12.0	12.0	11.9	14.6	13.3	7.8
	Normal Nutrition	84.3	78.9	75.5	74.9	71.9	78.0	75.1
	Slightly Subnormal Nutrition ...	7.6	8.9	11.6	12.8	13.1	8.5	17.0
	Bad Nutrition ...	0.3	0.2	0.9	0.4	0.4	0.2	0.1

**THE INSPECTION CLINIC.**

During the year 2,743 children attended the Inspection Clinic, the total attendance being 3,941. 2,242 of the inspected children had defects of a minor nature and exclusion from school was not necessary, but in 501 cases certificates of exclusion from school for varying periods were granted. 63 children granted certificates of exclusion were referred for treatment to their private doctors.

The following is a summary of the defects found in elementary and special school children attending the inspection clinic:—

**Miscellaneous Inspections.**—In addition to the above, the following examinations were made at the Clinic:—

Examination regarding fitness to attend Hest Bank Camp School	...	712
Examinations for Approved Residential Schools, Juvenile Court, etc.	...	79
Examinations regarding suitability for Convalescent and Holiday Homes		124
Examinations of Infectious Disease Contacts	...	132
Review of Children attending Speech Centre	...	24
Special Inspections by Nurses	...	1320

## FOLLOWING UP.

The arrangements for following up children suffering from various defects have been recorded fully in previous reports.

The following shows the amount of work done.

No. of visits by the Medical Officer to schools :—

For re-inspection (*i.e.*, to follow up children with defects)—29.

Follow up visits by the Nurses of

Dental Defects	...	...	...	...	470
Defective Vision	...	...	...	...	1614
Nose and Throat Defects	...	...	...	...	1280
Orthopædic Cases	...	...	...	...	145
Other Defects	...	...	...	...	1105
					—
					4614
					—

## INFECTIOUS DISEASE.

### Review of the action taken to detect and prevent the spread of Infectious Disease.

Certificates of exclusion from school and lists of houses in which infectious diseases occur continue to be sent daily to the Education Office.

Scarlet fever was more prevalent during 1942 than in the previous year; of the 486 cases, 368 occurred in children of school age. The incidence was spread fairly uniformly throughout the year.

Measles and german measles were less prevalent than in 1941, and only a few cases of diphtheria and whooping cough occurred. Consequently absences from school on account of infectious disease were low; no school departments were closed on account of infectious disease and no certificate to cover periods of low attendance had to be issued.

The notifiable diseases amongst children of school age notified to the Medical Officer of Health were as follows:—

Disease	No. of Notifications	Deaths
Scarlet Fever	368	1
Diphtheria	19	—
Measles and German Measles	536	—
Polio-Encephalitis	1	—
Primary and Influenza Pneumonia	30	—
Pulmonary Tuberculosis	2	—
Non-Pulmonary Tuberculosis	17	4
Whooping Cough	9	—
Dysentery	1	—
Cerebro-spinal Meningitis	6	—
Erysipelas	1	—
Para Typhoid Fever	—	—

**Immunization against Diphtheria.**—Particular attention was paid during 1942 to immunization against diphtheria, and, in addition to providing facilities for free immunization at the clinic, immunization of children was carried out in the schools. This resulted in a much greater number of children being immunized than in previous years. The numbers dealt with were:—

Immunization completed.	Pre-school Children.	School Children.	Adults.
At the Clinic	907	2065	3
At Schools	—	1131	3
Total	907	3196	6

The total attendances made for these injections were 8,510.

### MEDICAL TREATMENT.

No alterations were made during 1942 in the scheme for treatment of defects. The 38,264 attendances for all purposes at the Clinic are 621 more than in 1941.

Scabies continued to be prevalent and necessitated the treatment of 249 children either at the Clinic or at the Basket Street Cleansing Station.

## TOTAL CLINIC ATTENDANCES.

(Pre-School and School Children).

Minor Ailments	Ophthalmic	Dental	Inspection	Nose, Throat and Ear	Orthopaedic	Orthoptic	Miscellaneous	TOTAL
11,729	4,501	5,861	4,014	665	7,270	1,568	2,656	38,264

**Minor Ailments.**—Attendances for treatment of elementary and special school children were :—

Diseases	No. of Cases under treatment 1/1/42	Number of New Cases	Total No. of cases dealt with	No. of Attend- ances
<b>SKIN:</b> —				
Ringworm: Scalp ...	...	...	1	14
Body ...	...	...	8	107
Impetigo ...	...	...	148	152
Other Skin Diseases ...	...	5	63	978
Scabies ...	...	...	188	199
<b>EYE:</b> —				
Blepharitis ...	...	...	24	404
Conjunctivitis ...	...	...	18	204
Iritis ...	...	...	—	—
Keratitis ...	...	...	—	—
Corneal Ulcer ...	...	...	—	—
Other Eye Conditions ...	...	...	104	104
<b>EAR:</b> —				
Otitis Media ...	...	1	5	6
Other Ear Diseases ...	...	5	103	108
<b>MISCELLANEOUS, e.g., Minor Injuries, Bruises, Sores, etc.</b> ...	8	507	515	4522
	34	1169	1203	11064

Ringworm cases referred to Manchester and Salford Hospital for X-Ray Treatment	...	...	...	...	...	...	...	...	...	—
Ringworm cases referred to Municipal General Hospital for "Wood's Glass" Diagnosis	...	...	...	...	...	...	...	...	...	5
Children given Baths for Scabies at Corporation Cleansing Station (2637 attendances)	...	...	...	...	...	...	...	...	...	249

It was ascertained that 61 children found to have minor ailments received treatment otherwise than at the Clinic.

**Pre-School Children treated at the School Clinic.**—The following cases were referred from the Infant Welfare Centres for treatment at the Minor Ailment Clinic.

			No. of Cases.		No. of Attendances.
SKIN :					
Ringworm : Head	...	...	—	...	—
Body	...	...	2	...	28
Scabies	...	...	15	...	31
Impetigo	...	...	23	...	81
Other Skin Conditions	...	...	10	...	89
EYE :					
Blepharitis	...	...	1	...	1
Conjunctivitis	...	...	1	...	1
Other Eye Conditions	...	...	15	...	93
EAR :					
Otitis Media	...	...	3	...	60
Other Ear Conditions	...	...	12	...	62
Miscellaneous, e.g., Minor Injuries,					
Bruises, Sores, etc.	...	...	21	...	152
			—	—	—
Total	...	...	103	...	598
			—	—	—

**Ear, Nose and Throat Defects.**—As there is still no Ear, Nose and Throat Specialist in this area, the Resident Surgical Officer of the Municipal General Hospital has continued to undertake the supervision and treatment of cases with ear, nose and throat defects. He made 253 examinations at the Clinic and operated upon 167 children in the Municipal General Hospital.

**Eye Diseases and Visual Defects.**—No change has been made in the scheme for treatment of these defects.

OPHTHALMIC CLINIC.

Sessions held	...	...	...	...	...	...	101
New Cases examined	...	...	...	...	...	...	216
Children Re-examined	...	...	...	...	...	...	610
Children prescribed Spectacles	...	...	...	...	...	...	194
"      "      "      "      re-examinations	...	...	...	...	...	...	351
Attendances for atropine drops	...	...	...	...	...	...	1795
Eye cases operated upon in hospital	...	...	...	...	...	...	12
Total attendances	...	...	...	...	...	...	3732

INTERNAL EYE DISEASES.

Classification of cases dealt with in 1942.

Defect.	Elementary and Special School Children.			Totals.			
	New Cases.	Old Cases.	Totals.				
Hypermetropia	...	...	32	...	90	...	122
Hypermetropia plus Aphakia	...	—	...	1	...	...	1
Hypermetropia plus Cataract	...	—	...	—	...	...	—
Hypermetropic Astigmatism	...	...	105	...	128	...	233
"      "      plus Nystagmus	—	...	—	1	...	...	1
Myopia	...	...	21	...	43	...	64
Myopic Astigmatism	...	...	21	...	53	...	74
Mixed Astigmatism	...	...	20	...	20	...	40
Emmetropia	...	...	5	...	10	...	15
Cataract	...	...	—	...	6	...	6
Prolapsed Iris and Adherent Leucoma	...	—	...	1	...	...	1
STRABISMUS	—	...	—	1	...	...	1
plus Hypermetropia	...	...	6	...	158	...	164
" Hypermetropic Astigmatism	...	—	...	89	...	...	89
" Myopic Astigmatism	...	—	...	5	...	...	5
" Emmetropia	...	...	—	...	2	...	2
" Nystagmus	...	...	—	...	2	...	2
Not yet classified	...	...	6	...	—	...	6
Totals	...	...	216	...	610	...	826

### ORTHOPTIC TREATMENT.

No alterations were made in the Scheme for Orthoptic treatment of squint during 1942.

Details of the cases treated are as follows:—

	Burnley Children.				Lancs. County Cases.	Total.
	Elem.	Spec.	Sec.	Ch. W.		
Cases brought forward, 1/1/42 ... ... ...	45	2	2	—	3	52
New Cases during year ... ... ...	31	1	2	2	7	43
Total Cases dealt with ... ... ...	76	3	4	2	10	95
<b>CASES DISCHARGED DURING YEAR:—</b>						
Cases refused operation and therefore ceased Orthoptic treatment ... ... ...	5	—	—	—	—	5
Left School and Left Town ... ... ...	4	—	—	—	1	5
Discharged as cured ... ... ...	19	2	1	—	5	27
Crossed off books (failed to attend) ... ...	4	—	—	—	—	4
Total discharges ... ... ...	32	2	1	—	6	41
<b>DETAILS OF CASES ON BOOKS, 31/12/42:—</b>						
No. ready for operation and further treatment	1	—	—	—	—	1
No. to continue treatment ... ... ...	43	1	3	2	4	53
Total carried forward to 1943 ...	44	1	3	2	4	54
Cases referred for Orthoptic test only ... ...	6	—	1	—	10	17
Attendances made during the year by treatment cases ... ... ...	1372	39	108	42	135	1696
No. had operation under Auth. Scheme ...	12	—	—	2	—	14
No. had operation apart from Auth. Scheme	1	—	—	—	—	1
Half-days devoted to treatment ... ...	—	—	—	—	—	258

### THE ORTHOPÆDIC CLINIC.

No alterations were made during 1942 in the arrangements for ascertainment and treatment of orthopaedic defects.

The following statistics include school and pre-school children and tuberculous cripple cases. Cases of crippling due to active tuberculosis received hospital treatment through the Tuberculosis Scheme.

ORTHOPAEDIC CLINIC STATISTICS.	No.
Classes for Breathing Exercises at Clinic ...	344
,, Flat Foot at Clinic ...	90
,, Postural Exercises at Clinic ...	148
,, „ „ „ at Open Air School ...	55
Attendance at Bank Hall Hospital, Municipal Hospital and Isolation Hospital for Massage, etc. ...	72
Periods of Individual Treatment at Clinic ...	235
Periods for Home Visiting and Clerical Work ...	89
Sessions at Orthopaedic Hospitals ...	2
Total Sessions attended by Orthopaedic Nurse ...	487
Total Sessions held by Orthopaedic Surgeon ...	21
New Cases examined by Orthopaedic Surgeon ...	72
Old Cases re-examined by Orthopaedic Surgeon ...	124
Cases treated or supervised by Orthopaedic Nurse ...	128

Forty-eight children were supplied with splints, plaster cases or other surgical appliances.

#### HOSPITAL TREATMENT OF ORTHOPAEDIC CASES DURING 1942.

	School Children	Child Welfare Cases
Remaining in Hospital, 1st January, 1942 ...	3	1
Admitted during the year ...	8	1
Discharged during the year ...	8	1
Remaining in Hospital on 31st December, 1942 ...	3	1
Average duration of Stay (in days) of those discharged during 1942 ...	149	209

TOTAL ATTENDANCES AT THE ORTHOPÆDIC CLINIC AND MANCHESTER ROYAL INFIRMARY.

Referred from	Attendances at Orthopædic Clinic	Attendances at Manchester Royal Infirmary or Ancoats Hospital	Total Attendances
School Clinic	Elementary 5392	2	5394
	Special ... 574	—	574
	Secondary... 209	2	211
Tuberculosis Clinic ... ...	110	—	110
Child Welfare Clinic ... ...	1091	—	1091
Total ... ...	7376	4	7380

Number remaining on the register of the Orthopaedic Clinic on the 31st December, 1942... ...	School Children.	Child Welfare Cases.	Tuberculosis Cases.	Total.
	Elem. & Spec.	Sec.		
	94	13	47	43
				197

In addition to the treatment of cases on the Orthopædic Clinic register, the Orthopædic Nurse gave remedial exercises, massage, breathing exercises, etc., to children with minor deformities and postural defects and post-operative tonsil and adenoid cases referred direct to her by the Assistant School Medical Officers.

The following cases were referred by the Assistant Medical Officers direct to the Orthopædic Nurse for treatment :

	School Medical Cases		Tuber-cu-losis Cases	Child Welfare Cases	Isolation Hospital Cases
	Elementary & Special	Secondary			
No. of Cases ... ...	316	4	—	79	5
Attendances :					
For Remedial Exercises ...	1846	53	3	1	7
For Breathing Exercises ...	2383	24	1	23	—
For Corrective Treatment	459	47	2	785	22
TOTAL ... ...	4688	124	6	809	29

## THE WORK OF THE SCHOOL DENTAL DEPARTMENT.

The arrangements for dental treatment have continued as in previous years. 12,033 routine dental inspections of elementary and 324 of special school children were made, a total of 12,357. Of these, 7,218 (58.4%) were found to require some dental attention. A further 636 inspections were made at the Clinic. The dentists were only able to give treatment to 3,326 elementary and special school children—only 46.1% of those who required it.

The elementary and special school children examined were:—

Number Inspected in Schools.			Not Requiring Treatment.			Number with Defects Requiring Treatment.	
Boys.	Girls.	Total.	Boys.	Girls.	Boys.	Girls.	
6,327	6,030	12,357	2,642	2,497	3,685	3,533	

**“Following up” of Dental Defects.**—The school nurses continue to interview parents whose children have not attended the Dental Clinic or received treatment otherwise, as the result of having been notified of the need of dental treatment.

Number found to require treatment	...	...	...	7218
Attended School Dental Clinic	...	...	...	3326
Parents indifferent and no treatment received, or treatment received privately, or left school or town	...	...	...	3892

Dental treatment given to elementary school children:—

Fillings.			Extractions.			Adminis- trations of Gen'ral Anæs- thetics for Ex- tractions	Other Operations.			Total other Operations
Temp- orary Teeth	Per- manent Teeth	Total Fillings	Temp- orary Teeth	Per- manent Teeth	Total Extrac- tions		Temp- orary Teeth	Per- manent Teeth		
105	2,960	3,065	3,716	1,025	4,741	1,234	93	87	180	

**“Light” Therapy.**—During 1942, 22 school children received treatment at the Bank Hall Clinic and 240 at the Municipal General Hospital. In addition 123 children were referred from the School Clinic to the Municipal General Hospital for X-ray examinations and 5 for Wood's glass diagnosis of ringworm.

The following treatments were given to school children suffering from malnutrition, respiratory and other debilitating diseases:—

	No. Treated.	Attend- ances.	TREATMENTS.			
			Mercury Vapour Lamp.	Carbon Arc Lamp.	Krom- ayer Lamp.	Elect- rical, etc.
Bank Hall Hospital .....	22	127	127	—	—	—
Municipal General Hospital .....	240	4804	291	4409	—	9

### OPEN AIR EDUCATION

**School Camp.**—The permanent School Camp at Hest Bank, near Morecambe was opened on 6th March, and closed on 18th September. 348 boys and 348 girls were sent to the camp for a fortnight. This entailed the medical examination of 712 children.

**Convalescent Home.**—The Thursby Convalescent Home at Lytham-St. Annes was open for the reception of children from 5th May to 29th September. 61 boys and 68 girls from Burnley were selected and sent to the Home for periods of two to three weeks. Pearson's Fresh Air Fund (Burnley Committee) again arranged for 125 children to have two weeks' holiday at the Seaside.

**Physical Training, Playing Fields, Playground Classes.**—No alterations in arrangements were made during 1942. (See previous reports).

### PROVISION OF MEALS AND MILK.

**Meals.**—During the year ended 31st March, 1942, 318,530 meals were supplied, as compared with 321,881 in the previous year.

Breakfasts	...	...	...	...	...	37,158
Dinners	...	...	...	...	...	281,422
						—
						318,580
						—

The highest number of children fed in any one week was 1,190 and the lowest 444, the average being 1,028.

**Milk.**—In December, 1942, 8,744 children received milk, of whom 7,898 paid for it and 846 received it free. Thus over 89 per cent. of the school children received milk.

In accordance with the recommendations of the Board of Education, in Circular 1443, for the selection of children requiring supplementary nourishment, periodical nutrition surveys were continued on the same method as in 1941. (See report for previous year).

**Cod Liver Oil.**—During 1942, 165 children, who were within the scale of necessity, received 678 lbs. of cod liver oil and malt, 7 pints of emulsion and 34 pints of iron tonic.

**School Baths.**—No major alterations were made during 1942 in the provision of bathing facilities in the schools.

The Education Committee arrange for the attendance of classes of children at the Public Swimming Baths usually during school hours. 50,029 attendances were made at the three swimming baths, compared with 50,676 last year. In addition, 19,502 attendances were made by school children on Saturday mornings.

**School Journeys.**—No alterations have been made in the arrangements in operation to enable children to travel free on public vehicles to the Special Schools and the School Clinic.

#### **CO-OPERATION OF PARENTS, TEACHERS, SCHOOL ATTENDANCE OFFICERS AND VOLUNTARY BODIES.**

All these persons and organisations have continued to give most valuable assistance during 1942. Eight cases were referred to the Inspector of the National Society for the Prevention of Cruelty to Children.

The number of parents who were present when their children were being examined by the Medical Officer in the schools is:—

With the Entrants	...   ...   ...   ...   ...	846 or 64.1%
„   „   Second Age Group	...   ...   ...	425 or 41.5%
„   „   Third Age Group	...   ...   ...	48 or 5.7%

### BLIND, DEAF, DEFECTIVE AND EPILEPTIC CHILDREN.

All children in the Special Schools were medically and dentally inspected during the year.

**Blind and Partially Sighted Children.**—The numbers of children on the roll of the blind school and the special class for partially-sighted on the 31st December, 1942, are as follows:—

	Burnley Children		Children from Areas of Adjoining Authorities		Total
	Boys	Girls	Boys	Girls	
Blind Children (taught by Braille) ... ... ... ...	—	—	4	2	6
Class for Partially-Sighted Children ... ... ... ...	4	3	1	2	10

Two blind children of school age were in residential institutions for the blind.

**Deaf Children.**—At the end of 1942, there were 26 children receiving instruction in the Day School for the Deaf.

No. of Children on Register on 31st December, 1942.	Burnley Children		Children from Areas of Adjoining Authorities		Total
	Boys	Girls	Boys	Girls	
(a) Totally Deaf Children ...	3	1	2	3	9
(b) Children with Slight Degree of Hearing ...	2	1	1	3	7
(c) Defective Speech, but not Deaf ... ... ...	5	5	—	—	10

The staff of the school consists of a head teacher and one assistant.

### RETARDED AND MENTALLY DEFECTIVE CHILDREN.

The numbers in attendance in the Special Day School for Mentally Defective Children were as follows :—

	Burnley Children.		Children from Adjoining Areas.		TOTAL.
	Boys.	Girls.	Boys.	Girls.	
On Register 1st Jan., 1942 ...	32	18	—	—	50
Admitted during 1942 ... ...	2	4	4	4	14
Discharged during 1942 ... ...	9	4	1	—	14
On Register Dec., 1942 ... ...	25	18	3	4	50

Classification of Burnley children at the end of 1942 :—

Feeble minded ... ... 22 boys; 18 girls.  
Dull and backward ... ... 3 boys.

Fourteen Burnley children left the Special School during 1942; for the following reasons ;—

	Boys.	Girls.
Reported to Local Authority for M.D. ... ... ...	2	—
Reached 16 years of age ... ... ...	1	3
Granted exemption before reaching 16 years of age, as suitable work obtained... ... ... ...	7	1
 Total ... ... ...	10	4
 —	—	—

Three special classes for backward children are established, one in Lionel Street Council School, one in Stoneyholme Council School and the third in St. Peter's School.

Ineducable mentally defective children are supervised by the Central Lancashire Association for Mental Welfare. The following are particulars regarding Burnley children under 16 years of age :—

	Boys.	Girls.
Under Statutory Supervision ... ... ...	8	7
In Certified Institutions ... ... ...	6	5

Nine children under 16 years of age were in attendance at the Occupation Centre, which is administered by the Central Lancashire Association for Mental Welfare.

**Higher Education of Blind Students.**—Five Burnley and one County Technical Students are in training at the workshop.

#### PHYSICALLY DEFECTIVE CHILDREN.

**Tuberculosis.**—All cases of definite or suspected tuberculosis are referred to the Tuberculosis Officer, who arranges for appropriate treatment or supervision. Cases of crippling due to tuberculosis are referred to the Orthopædic Clinic. Arrangements are in operation through the Tuberculosis Dispensary Scheme for cases of tuberculous disease of the skin and glands to receive actino-therapy at the "Light" Department of the Municipal Hospital, where Mercury Vapour, Carbon Arc and Kromayer Lamps are available.

**Delicate Children.**—152 were classified as "delicate," of whom 117 were in attendance at the Open Air School.

The Public Health Committee continues to utilise the Burnley Joint Hospital Board's Smallpox Hospital at Crown Point as a convalescent institution for delicate children. The hospital was open for this purpose throughout the year, and 45 children received treatment.

**The Day Open Air School.**—No alteration in the accommodation or in the method of selection of children for admission was made during 1942.

	Boys.		Girls.		Total.
Admissions during 1942	...	17	...	19	...
Discharged during 1942	...	19	...	16	...
Average number of children on the Roll	...		...	...	129
Average Attendance	...	...	...	...	104
Average Duration of Stay of those Discharged	—3 years 3 months.				
Average Gain in Weight since Admission of those Discharged	—20 $\frac{1}{2}$ -lbs.				
Average Gain in Weight per Child during the year	6 $\frac{1}{4}$ -lbs.				

#### Reasons for Admission:—

Non-Tuberculous Respiratory Conditions	...	...	7
Non-Infective Tuberculous Conditions	...	...	4
Cardiac Disease	...	...	2
Anaemia	...	...	2
Nutritional Defects	...	...	16
Crippling Defects	...	...	2
Other Conditions	...	...	3

## THE NURSERY SCHOOL AND NURSERY CLASSES.

Medical and dental supervision of the children in the Nursery School and Nursery Classes in infants' schools was continued as in previous years.

The Nursery School was kept open again during the summer holiday period, except for one week.

At the end of the year 147 children were on the register of the Nursery School and 365 on the registers of the 12 Nursery Classes.

The numbers medically inspected during the year were as follows:—

Age.	Nursery School.				Nursery Classes.		
2 years	...	...	...	48	...	...	57
3 years	...	...	...	46	...	...	50
4 years	...	...	...	39	...	...	55
5 years	...	...	...	1	...	...	19
				—			—
Total	...	...	134	...	...	...	181
			—				—
Special Examinations	...	...	12	...	...	...	1

### Defects Found.

	Nursery School.				Nursery Classes.		
Uncleanliness	...	...	...	—	...	...	—
Skin Defects	...	...	...	—	...	...	6
Eye Defects	...	...	...	6	...	...	7
Ear Defects	...	...	...	—	...	...	6
Nose and Throat Defects	...	31	...	...	...	...	15
Enlarged Cervical Glands	...	3	...	...	...	...	5
Speech Defects	...	1	...	...	...	...	—
Heart Defects	...	1	...	...	...	...	2
Bronchial Catarrh and Bronchitis	5	...	...	...	...	...	6
Tuberculosis—Non-Pulmonary	...	1	...	...	...	...	—
Nervous Diseases	...	2	...	...	...	...	3
Rickets	...	10	...	...	...	...	—
Other Deformities	...	9	...	...	...	...	4
Other Defects and Diseases	...	15	...	...	...	...	8

### THE TREATMENT OF SPEECH DEFECTS.

In October, 1942, a new Centre for Speech Remedial work was opened in Todmorden Road Junior School, which is a convenient centre for children from a number of schools to attend for instruction in relaxation. This has reduced the time spent by the Speech Therapist in travelling, has made possible a better classification of cases and given improved conditions of quietude and space for physical relaxation.

The numbers dealt with by the Therapist were :—

Number in attendance during 1942 ...	...	...	...	...	...	156
Admitted during the year ...	...	...	...	...	...	55
Discharged during the year ...	...	...	...	...	...	66
Remaining under treatment at the end of 1942	...	...	...	...	...	145

	Cases		Cases
	Admitted.		Discharged.
Stammerers ...	13	...	29
Cases of Defective Articulation	22	...	23
Cases of Eneuresis ...	20	...	14

Of the stammerers discharged, 23 were cured, one was so much improved on leaving school that further treatment could be discontinued, three on leaving school continued treatment in evening classes, and two left the district. Of the cases of defective articulation who were discharged, eighteen were cured, the others having left the district or failed to continue treatment. Six enuretics were cured, the others having left the district or failed to continue treatment.

At the end of the year, 90 children were on the waiting list. An evening class for persons over school age was held once weekly in Todmorden Road Junior School.

## SECONDARY SCHOOLS

Average Attendance during 1942 :—

High School for Girls ...	...	...	...	...	438
Grammar School for Boys	...	...	...	...	495
Junior Commercial Department of Municipal College					97

**Medical and Dental Inspection and Treatment.**—The pupils of the Girls' High School, Grammar School for Boys and the Junior Commercial Department were given medical inspection on the same lines as in former years. The pupils of the Junior Technical Department were not inspected. Dental Inspection was carried out in all four schools.

The numbers inspected were :—

MEDICAL INSPECTION—	Full Routine		General		Special	
	Inspection.		Survey.		Inspections.	
High School for Girls ...	150	...	259	...		
Grammar School for Boys	170	...	336	...		
Junior Commercial School	60	...	28	...		
						33

### DENTAL INSPECTION—

Number Inspected.		Not Requiring Treatment		Number with Defects Requiring Treatment	
Boys	Girls	Boys	Girls	Boys	Girls
520	506	130	124	390	382

### DENTAL TREATMENT GIVEN :—

Temporary Teeth	Permanent Teeth	Fillings.		Extractions.		Administrations of Gen'ral Anæsthetics for Extractions	Other Operations.		
		Total Fillings	Temporary Teeth	Permanent Teeth	Total Extractions		Temporary Teeth	Permanent Teeth	other Operations Total
—	463	463	18	140	158	78	1	5	6

The findings of Medical Inspection in the Secondary Schools showed that of 1,003 children inspected, 63 had defects, apart from defective teeth, which required treatment.

It was necessary for 79 Secondary School children to obtain spectacles during the year.

The nutrition survey showed that 7.5% of the Secondary School children cannot be regarded as sufficiently well nourished.

One hundred and forty-three Secondary School children received dental treatment at the Clinic.

The statistics appended to this report give details of the defects found and treatment given to Secondary School pupils.

#### MISCELLANEOUS.

Medical inspection or treatment of pupils attending the Municipal College and School of Art, as part-time students, and Evening Continuation Classes is not undertaken.

Fifteen children were submitted to the School Medical Officer for medical examination regarding fitness to take part in entertainments.

The School Medical Officer examined 145 children under the Byelaws for Regulating the Employment of Children and Street Trading, which came into operation on the 1st May, 1936.

I am indebted to the Director of Education for the following information :—

Employment of Children out of School Hours in the Sale of Milk and Newspapers, etc.

Occupations.	Number of Children Employed at 31st Dec.
Delivery of Newspapers ... ... ... ... ...	133
Delivery of Milk ... ... ... ... ...	7
Carrying or Delivery of Food or Parcels ... ... ...	10
In Places of Public Entertainment ... ... ...	15
	165

One hundred and thirty-eight certificates were issued during the year and 96 had ceased. No licences were granted in respect of street trading by young persons between the ages of 16 and 18 years.

## APPENDICES.

## BOARD OF EDUCATION.

MEDICAL INSPECTION RETURNS, YEAR ENDED  
31st DECEMBER, 1942.

## ELEMENTARY SCHOOLS.

Table I.—Return of Medical Inspections.

## (a) ROUTINE MEDICAL INSPECTIONS.

Number of Inspections in the Prescribed Groups :—

Entrants	...	...	...	...	1319
Second Age Group	...	...	...	...	1025
Third Age Group	...	...	...	...	836
					—
		Total	...	...	3180
					—
Number of other Routine Inspections	...	...	...	62	
					—
		Grand Total	...	3242	
					—

## (b) OTHER INSPECTIONS.

Number of Special Inspections	...	...	...	2651
Number of Re-Inspections	...	...	...	5201
				—
Total	...	...	7852	
				—

## (c) CHILDREN FOUND TO REQUIRE TREATMENT.

Group. (1)	For Defective Vision (excluding Squint). (2)	For all other conditions recorded in Table II A. (3)	Total individual children. (4)
Entrants	...	16	225
Second Age Group	...	33	159
Third Age Group	...	27	74
Total (Prescribed Groups)	...	76	458
Other Routine Inspections	...	4	14
Grand Total	...	80	472

Table II. (A)—Return of Defects found by Medical Inspection in 1942.

DEFECT OR DISEASE	ROUTINE INSPECTIONS		SPECIAL INSPECTIONS	
	Requiring Treatment	No. of Defects	Requiring Treatment	No. of Defects
		Requiring to be kept under observation, but not requiring Treatment.		Requiring to be kept under observation but not requiring Treatment.
Skin:—				
Ringworm: Scalp	...	...	—	1
Body	...	...	—	6
Scabies	...	...	21	1
Impetigo	...	...	5	—
Other Diseases (Non-Tuberculous)	...	...	15	3
Eye:—				
Blepharitis	...	...	6	4
Conjunctivitis	...	...	—	18
Keratitis	...	...	—	14
Corneal Opacities	...	...	—	—
Other Conditions	...	...	5	3
Defective Vision (excluding Squint)	...	...	80	79
Squint	...	...	21	2
Ear:—				
Defective Hearing	...	...	2	6
Otitis Media	...	...	2	5
Other Ear Diseases	...	...	6	—
Nose and Throat:—				
Chronic Tonsilitis only	...	...	73	282
Adenoids only	...	...	—	5
Chronic Tonsilitis & Adenoids	...	...	83	114
Other Conditions	...	...	10	8
Enlarged Cervical Glands (Non-Tuberculous)	...	...	8	104
Defective Speech	...	...	20	10
Heart and Circulation:—				
Heart Disease: Organic	...	...	2	11
Functional	...	...	—	41
Anæmia	...	...	2	14
Lungs:—				
Bronchitis	...	...	7	38
Other Non-Tuberculous Diseases	...	...	5	21
Tuberculosis:—				
Pulmonary: Definite	...	...	—	3
Suspected	...	...	—	4
Non-Pulmonary: Glands	...	...	—	—
Bones and Joints	...	...	—	—
Skin	...	...	—	1
Other Forms	...	...	—	1
Nervous System:—				
Epilepsy	...	...	—	1
Chorea	...	...	—	1
Other Conditions	...	...	3	19
Deformities:—				
Rickets	...	...	8	11
Spinal Curvature	...	...	5	2
Other Forms	...	...	62	33
Other Defects and Diseases (excluding Defects of Nutrition, Uncleanliness and Dental Diseases)...	...	52	70	969
Total number of Defects	...	503	883	2158
				99

**(B)—Classification of the Nutrition of Children Inspected during the Year in the Routine Age Group.**

Age-Groups.	Number of Children Inspected	A (Excellent)		B (Normal)		C (Slightly Sub-normal)		D (Bad)	
		No.	%	No.	%	No.	%	No.	%
Entrants ... ... ...	1319	280	21·2	959	72·7	79	6·0	1	0·1
Second Age-Group ...	1025	270	26·3	653	63·7	102	10·0	—	—
Third Age-Group ...	836	134	16·0	661	79·1	41	4·9	—	—
Other Routine Inspections	62	26	41·9	34	54·9	2	3·2	—	—
Total .. ...	3242	710	21·9	2307	71·2	224	6·9	1	—

Table III.—Return of all Exceptional Children in the Area.

## BLIND CHILDREN.

At Certified Schools for the Blind	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
2	—	—	—	2

## PARTIALLY SIGHTED CHILDREN.

At Certified Schools for the Blind	At Certified Schools for the Partially Sighted	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
—	7	—	—	—	7

## DEAF CHILDREN.

At Certified Schools for the Deaf	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
4	—	—	—	4

## PARTIALLY DEAF CHILDREN.

At Certified Schools for the Deaf	At Certified Schools for the Partially Deaf*	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
—	3*	1	—	—	4

\*In addition 10 children suffering from visual aphasia received special education in the Day Special School for partially deaf children.

Table III.—Return of all Exceptional Children in the Area.—*Continued.*

## MENTALLY DEFECTIVE CHILDREN.

## FEEBLE-MINDED CHILDREN.

At Certified Schools for Mentally Defective Children	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
39	1	3	1	44

## EPILEPTIC CHILDREN.

## CHILDREN SUFFERING FROM SEVERE EPILEPSY.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
4	3	—	—	7

## PHYSICALLY DEFECTIVE CHILDREN.

## A.—TUBERCULOUS CHILDREN.

## I.—CHILDREN SUFFERING FROM PULMONARY TUBERCULOSIS.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
1	3	—	1	5

## II.—CHILDREN SUFFERING FROM NON-PULMONARY TUBERCULOSIS.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
3	6	1	—	10

Table III.—Return of all Exceptional Children in the Area.—*Continued.*

## B.—DELICATE CHILDREN.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
117	5	30	—	152

## C.—CRIPPLED CHILDREN.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
4	14	—	3	21

## D.—CHILDREN WITH HEART DISEASE.

At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
5	12	—	—	17

## CHILDREN SUFFERING FROM MULTIPLE DEFECTS.

Combination of Defect	At Certified Special Schools	At Public Elementary Schools	At Other Institutions	At no School or Institution	Total
Deaf and Crippling ... ...	1	—	—	—	1
Feeble-Minded and Epileptic ...	—	—	—	—	—
Feeble-Minded and Crippling ...	2	—	1	—	3
Feeble-Minded and Severe Heart	1	—	—	—	1
Crippling and Severe Heart ...	—	1	—	—	1
Total ... ...	4	1	1	—	6

Table IV.—Return of Defects Treated during Year ended 31st December, 1942.

## ELEMENTARY SCHOOLS.—TREATMENT TABLES.

GROUP I.—MINOR AILMENTS (EXCLUDING UNCLEANLINESS, FOR WHICH SEE TABLE VI).

Disease or Defect.	Number of Defects treated, or under treatment during the year.		
	Under the Authority's Scheme.	Otherwise.	Total.
Skin:—			
Ringworm—Scalp.			
(i) X-Ray Treatment	...	...	—
(ii) Other Treatment	...	...	1
Ringworm—Body	...	...	7
Scabies	...	...	189
Impetigo	...	...	142
Other Skin Diseases	...	...	64
Minor Eye Defects (external and other, but excluding cases falling in Group II.)	...	134	2
Minor Ear Defects	...	106	13
Miscellaneous (e.g., Minor injuries, bruises, sores, chilblains, etc.)	...	476	14
Total	...	1119	58
			1177

GROUP II.—DEFECTIVE VISION AND SQUINT (EXCLUDING MINOR EYE DEFECTS TREATED AS MINOR AILMENTS—GROUP I).

	No. of Defects dealt with.		
	Under the Authority's Scheme.	Otherwise.	Total.
Errors of Refraction (including squint) ... ...	768	13	781
Other defect or disease of the eyes (excluding those recorded in Group I) ... ...	—	—	—
Total ... ...	768	13	781

  

No. of Children for whom spectacles were	Under the Authority's Scheme.			Otherwise.		Total.	
	(a) Prescribed ... ... ...	517	13	530	(b) Obtained ... ... ...	142	399

GROUP III.—TREATMENT OF DEFECTS OF NOSE AND THROAT.

NUMBER OF DEFECTS.

Received Operative Treatment.				Total.				Received other forms of Treatment	Total number Treated.		
Under the Authority's Scheme, in Clinic or Hospital.		By Private Practitioner or Hospital, apart from the Authority's Scheme.		(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)
(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)
1	1	142	10	—	—	139	—	1	1	281	10
										42	335

(i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and Adenoids. (iv) Other Defects of the Nose and Throat.

TABLE IV.—*Continued.*

## GROUP IV.—ORTHOPÆDIC AND POSTURAL DEFECTS.

	Under the Authority's Scheme.			Otherwise.			Total number treated.
	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopædic clinic.	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopædic clinic.	
Number of children treated ...	8	—	97	—	—	—	99

In addition, breathing exercises and remedial treatment were given to 314 children by the Orthopædic Nurse.

TABLE V.—DENTAL INSPECTION AND TREATMENT.

## (1) Number of children Inspected by the Dentist:—

(a) Routine Age Groups	Aged 5 and under	... 2,003	Total ... 12,033
		... 1,365	
		... 1,322	
		... 1,510	
		... 1,475	
		... 1,449	
		... 989	
		... 967	
		... 885	
		... 68	
(b) Specials	... ... ... ... ...	... ... ... ... ...	613
(c) Total Routine and Specials	... ... ... ... ...	... ... ... ... ...	12,646
(2) Number found to require treatment	... ... ... ... ...	... ... ... ... ...	7,638
(3) Number actually treated	... ... ... ... ...	... ... ... ... ...	3,212
(4) Attendances made by children for treatment	... ... ... ... ...	... ... ... ... ...	5,141
(5) Half-days devoted to	... ...	{ Inspection 78 Treatment 608 }	Total ... 686
(6) Fillings	... ... ... ...	{ Permanent Teeth 2,847 Temporary Teeth 100 }	Total ... 2,947
(7) Extractions	... ... ... ...	{ Permanent Teeth 990 Temporary Teeth 3,625 }	Total ... 4,615
(8) Administration of General Anæsthetics for Extractions	... ... ...	... ... ...	1,195
(9) Other Operations	... ... ...	{ Permanent Teeth 69 Temporary Teeth 89 }	Total ... 158

Table VI.—Uncleanliness and Verminous Conditions.

(1) Average number of visits per School made during the year by the School Nurses	4
(2) Total number of examinations of children in the Schools by School Nurses ...	32,284
(3) Number of individual children found unclean ... ... ... ...	337
(4) Number of individual children cleansed under Section 87 (2) and (3) of the Education Act, 1921 ... ... ...	1 vermin, 249 scabies
(5) Number of cases in which legal proceedings were taken:—	
(a) Under the Education Act, 1921 ... ... ...	—
(b) Under School Attendance Byelaws ... ... ...	—

MEDICAL INSPECTION RETURNS, YEAR ENDED  
31st DECEMBER, 1942.

## SECONDARY SCHOOLS

Table I.—Return of Medical Inspections.

(a) ROUTINE MEDICAL INSPECTIONS.

#### Number of Inspections in the Prescribed Groups:—

Entrants	...	...	...	...	...	...
Second Age Group	...	...	...	...	...	...
Third Age Group	...	...	...	...	...	...
			Total	...	...	...
Number of other Routine Inspections			...	...	1003	
			Grand Total	...	...	1003

(b) OTHER INSPECTIONS.

Number of Special Inspections	...	...	...	33
Number of Re-inspections	...	...	...	6
<b>Total</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>39</b>

(c) CHILDREN FOUND TO REQUIRE TREATMENT.

Group. (1)	For defective vision (excluding squint). (2)	For all other conditions recorded in Table II A. (3)	Total individual children. (4)
Entrants ... ... ...	—	—	—
Second Age Group ... ...	—	—	—
Third Age Group ... ...	—	—	—
Total (Prescribed Groups)...	—	—	—
Other Routine Inspections...	36	27	63
Grand Total... ...	36	27	63

Table II. (A)—Return of Defects found by Medical Inspection in 1942.

DEFECT OR DISEASE.	ROUTINE INSPECTIONS.		SPECIAL INSPECTIONS.	
	No. of Defects.		Requiring Treatment	Requiring to be kept under observation, but not requiring Treatment.
	Requiring Treatment.	Requiring to be kept under observation, but not requiring Treatment.		
Skin:—				
Ringworm: Scalp	...	...	—	—
Body	...	...	—	—
Scabies	...	...	2	—
Impetigo	...	...	—	—
Other Diseases (Non-Tuberculous)	...	—	—	4
Eye:—				
Blepharitis	...	...	—	—
Conjunctivitis	...	...	—	1
Keratitis	...	...	—	—
Corneal Opacities	...	...	—	—
Other Conditions	...	...	—	1
Defective Vision (excluding Squint)	...	36	13	4
Squint	...	—	—	—
Ear:—				
Defective Hearing	...	—	3	—
Otitis Media	...	—	—	—
Other Ear Diseases	...	—	—	2
Nose and Throat:—				
Chronic Tonsilitis only	...	16	33	—
Adenoids only	...	—	2	—
Chronic Tonsilitis and Adenoids	...	—	5	1
Other Conditions	...	2	2	—
Enlarged Cervical Glands (Non-Tuberculous)	...	—	4	—
Defective Speech	...	1	—	—
Heart and Circulation:—				
Heart Disease: Organic	...	1	3	—
Functional	...	—	6	1
Anæmia	...	1	1	—
Lungs:—				
Bronchitis	...	—	—	1
Other Non-Tuberculous Diseases	...	—	1	—
Tuberculosis:—				
Pulmonary: Definite	...	—	—	—
Suspected	...	—	—	—
Non-Pulmonary: Glands	...	—	—	—
Bones and Joints	...	—	—	—
Skin	...	—	—	—
Other Forms	...	—	—	—
Nervous System:—				
Epilepsy	...	—	—	—
Chorea	...	—	—	—
Other Conditions	...	—	—	—
Deformities:—				
Rickets	...	—	—	—
Spinal Curvature	...	—	—	—
Other Forms	...	—	2	1
Other Defects and Diseases (excluding Defects of Nutrition, Uncleanliness and Dental Diseases)...	4	3	12	—
Total number of Defects	...	63	82	22
				2

(B)—Classification of the Nutrition of Children Inspected during the Year in the Routine Age Groups.

Number of Children Inspected	A (Excellent)		B (Normal)		C (Slightly subnormal)		D (Bad)	
	No.	%	No.	%	No.	%	No.	%
1003	205	20.4	723	72.1	75	7.5	—	—

Table IV.—Return of Defects Treated during Year ended 31st December, 1942.

SECONDARY SCHOOLS.—TREATMENT TABLES.

GROUP I. MINOR AILMENTS (EXCLUDING UNCLEANLINESS, FOR WHICH SEE TABLE VI).

Disease or Defect	Number of Defects treated, or under treatment during the year		
	Under the Authority's Scheme	Otherwise	Total
<b>SKIN:</b> —			
Ringworm—Scalp.			
(i) X-Ray Treatment	...	...	—
(ii) Other Treatment	...	...	—
Ringworm—Body	...	...	—
Scabies	...	...	3
Impetigo	...	...	—
Other skin disease	...	...	—
<b>MINOR EYE DEFECTS</b>	...	...	3
(External and other, but excluding cases falling in Group II.)			
<b>MINOR EAR DEFECTS</b>	...	...	2
<b>MISCELLANEOUS</b>	...	...	6
(e.g. minor injuries, bruises, sores, chilblains, etc.)			
Total	...	...	14

GROUP II.—DEFECTIVE VISION AND SQUINT (EXCLUDING MINOR EYE DEFECTS TREATED AS MINOR AILMENTS—GROUP I).

	No. of Defects dealt with.		
	Under the Authority's Scheme.	Otherwise	Total
Errors of Refractions (including squint) ... ...	103	4	107
Other defect or disease of the eyes (excluding those recorded in Group I.) ... ...	—	—	—
Total ... ...	103	4	107

  

No. of Children for whom spectacles were	Under the Authority's Scheme.			Otherwise		Total	
	(a) Prescribed	... ...	... ...	75	4	79	
(b) Obtained ... ...	7			7	68	75	

GROUP III.—TREATMENT OF DEFECTS OF NOSE AND THROAT.

NUMBER OF DEFECTS.														
Received Operative Treatment.														
Under the Authority's Scheme, in Clinic or Hospital.				By Private Practitioner or Hospital, apart from the Authority's Scheme.				Total.				Received other forms of Treatment		Total number Treated
(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)			
—	—	7	1	—	—	3	—	—	—	10	1	2		13

(i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and Adenoids. (iv) Other Defects of the Nose and Throat.

TABLE IV.—Continued.  
GROUP IV.—ORTHOPÆDIC AND POSTURAL DEFECTS.

	Under the Authority's Scheme.			Otherwise.			Total number treated
	Residential treatment with education	Residential treatment without education	Non-residential treatment at an orthopædic clinic	Residential treatment with education	Residential treatment without education	Non-residential treatment at an orthopædic clinic	
Number of children treated ...	1	1	14	—	—	—	14

In addition breathing exercises and remedial treatment were given to 4 children by the orthopædic nurse.

TABLE V.—DENTAL INSPECTION AND TREATMENT.

(1) Number of Children inspected by the Dentist:

		Aged	9	...	—		
		“	10	...	20		
		“	11	...	172		
		“	12	...	188		
		“	13	...	183		
(a) Routine Age Groups ...	...	“	14	...	205	Total ...	1,026
		“	15	...	195		
		“	16	...	45		
		“	17	...	16		
		“	18	...	2		
(b) Specials ...	...	...	...	...	...	...	9
(c) Total (Routine and Specials) ...	...	...	...	...	...	...	1,035
(2) Number found to require treatment ...	...	...	...	...	...	...	781
(3) Number actually treated ...	...	...	...	...	...	...	143
(4) Attendances made by children for treatment ...	...	...	...	...	...	...	497
(5) Half-days devoted to ...	...	...	...	Inspection	8	Total ...	8
				Treatment	—		
(6) Fillings ...	...	...	...	Permanent teeth	463	Total ...	463
				Temporary teeth	—		
(7) Extractions ...	...	...	...	Permanent teeth	140	Total ...	158
				Temporary teeth	18		
(8) Administrations of general anaesthetics for extractions ...	...	...	...	...	...	...	78
(9) Other Operations ...	...	...	...	Permanent teeth	5	Total ...	6
				Temporary teeth	1		

TABLE VI.—UNCLEANLINESS AND VERMINOUS CONDITIONS.

(1) Average number of visits per school made during the year by the School Nurses ...	—
(2) Total number of examinations of children in the Schools by School Nurses ...	—
(3) Number of individual children found unclean ...	—
(4) Number of children cleansed under Section 87 (2) and (3) of Education Act, 1921	—
(5) Number of cases in which legal proceedings were taken:—	—
(a) Under the Education Act, 1921 ...	—
(b) Under School Attendance Byelaws ...	—





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